

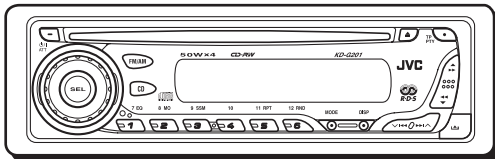
JVC

SERVICE MANUAL

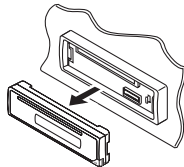
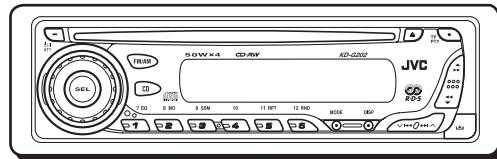
CD RECEIVER

KD-G201, KD-G202, KD-G207

KD-G201



KD-G202

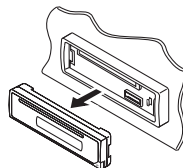
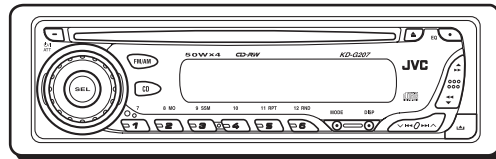


KD-G201, KD-G202

Area suffix

E ----- Continental Europe
EX ----- Central Europe

KD-G207



KD-G207

Area suffix

EE ----- Russian Federation

	KD-G201 E	KD-G202 E/EX	KD-G207 EE/EX
STEERING CABLE	○	○	×
RDS	○	○	×
LINE OUT	○	○	×

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SPECIFICATION

■KD-G202/KD-G201

AUDIO AMPLIFIER SECTION		
Maximum Power Output	Front	50 W per channel
	Rear	50 W per channel
Continuous Power Output (RMS)	Front	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
	Rear	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range	Bass	± 10 dB at 100 Hz
	Treble	± 10 dB at 10 kHz
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Line-Out Level/Impedance		2.0 V/20 k Ω load (full scale)
Output Impedance		1 k Ω
TUNER SECTION		
Frequency Range	FM	87.5 MHz to 108.0 MHz
	AM	(MW) 522 kHz to 1 620 kHz
		(LW) 144 kHz to 279 kHz
[FM Tuner]	Usable Sensitivity	11.3 dBf (1.0 μ V/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	30 dB
	Capture Ratio	1.5 dB
[MW Tuner]	Sensitivity	20 μ V
	Selectivity	35 dB
[LW Tuner]	Selectivity	50 μ V
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)
Grounding System		Negative ground
Allowable Operating Temperature		0°C to +40°C
Dimensions (W \times H \times D)	Installation Size (approx.)	182 mm \times 52 mm \times 150 mm
	Panel Size (approx.)	188 mm \times 58 mm \times 11 mm
Mass (approx.)		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

■KD-G207

AUDIO AMPLIFIER SECTION		
Maximum Power Output	Front	50 W per channel
	Rear	50 W per channel
Continuous Power Output (RMS)	Front	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
	Rear	19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance		4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range	Bass	± 10 dB at 100 Hz
	Treble	± 10 dB at 10 kHz
Frequency Response		40 Hz to 20 000 Hz
Signal-to-Noise Ratio		70 dB
Line-Out Level/Impedance		2.0 V/20 k Ω load (full scale)
Output Impedance		1 k Ω
TUNER SECTION		
Frequency Range	FM1/FM2	87.5 MHz to 108.0 MHz
	FM3	65.00 MHz to 74.00 MHz
	AM	(MW) 522 kHz to 1 620 kHz
		(LW) 144 kHz to 279 kHz
[FM Tuner]	Usable Sensitivity	11.3 dBf (1.0 μ V/75 Ω)
	50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/75 Ω)
	Alternate Channel Selectivity (400 kHz)	65 dB
	Frequency Response	40 Hz to 15 000 Hz
	Stereo Separation	30 dB
	Capture Ratio	1.5 dB
[MW Tuner]	Sensitivity	20 μ V
	Selectivity	35 dB
[LW Tuner]	Selectivity	50 μ V
CD PLAYER SECTION		
Type		Compact disc player
Signal Detection System		Non-contact optical pickup (semiconductor laser)
Number of channels		2 channels (stereo)
Frequency Response		5 Hz to 20 000 Hz
Dynamic Range		96 dB
Signal-to-Noise Ratio		98 dB
Wow and Flutter		Less than measurable limit
GENERAL		
Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)
Grounding System		Negative ground
Allowable Operating Temperature		0°C to +40°C
Dimensions (W \times H \times D)	Installation Size (approx.)	182 mm \times 52 mm \times 150 mm
	Panel Size (approx.)	188 mm \times 58 mm \times 11 mm
Mass (approx.)		1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 Safety Precautions



CAUTION Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.



CAUTION Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

1.2 Preventing static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.2.1 Grounding to prevent damage by static electricity

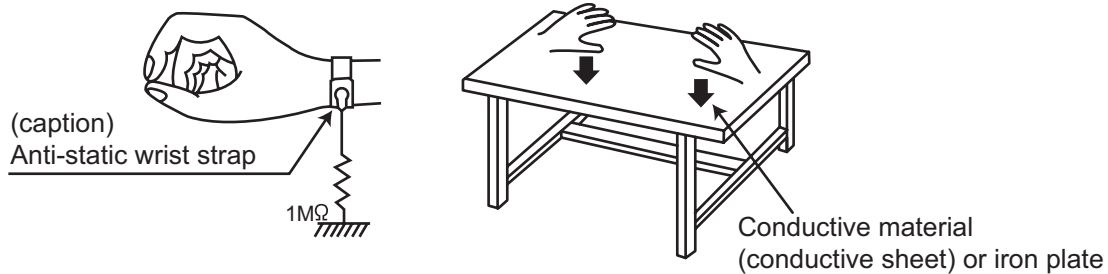
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as CD players. Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench

Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

(2) Ground yourself

Use an anti-static wrist strap to release any static electricity built up in your body.



(3) Handling the optical pickup

- In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)
- Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

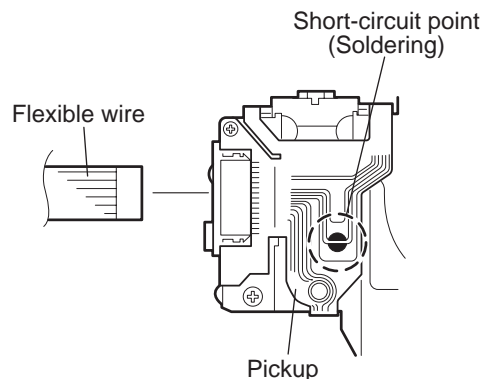
1.3 Handling the traverse unit (optical pickup)

- (1) Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.
- (2) Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.
- (3) Handle the flexible cable carefully as it may break when subjected to strong force.
- (4) It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it.

1.4 Attention when traverse unit is decomposed

***Please refer to "Disassembly method" in the text for the CD pickup unit.**

- Apply solder to the short land before the flexible wire is disconnected from the connector on the CD pickup unit. (If the flexible wire is disconnected without applying solder, the CD pickup may be destroyed by static electricity.)
- In the assembly, be sure to remove solder from the short land after connecting the flexible wire.



SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body

3.1.1 Removing the front panel assembly (See Fig.1)

- (1) Push the detach button in the lower right part of the front panel assembly and remove the front panel assembly.

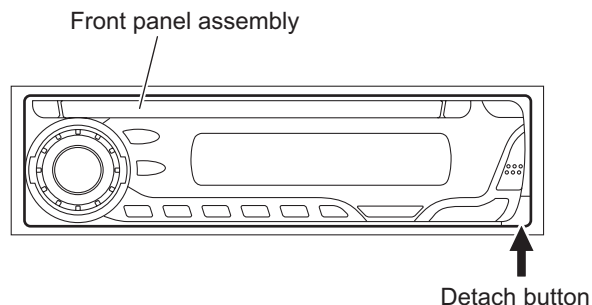


Fig.1

3.1.2 Removing the bottom cover (See Fig.2)

- (1) From the bottom side of the main body, release the two joints **a**, two joints **b** and joint **c**.

CAUTION:

Do not damage the main board when releasing the joints using a screwdriver.

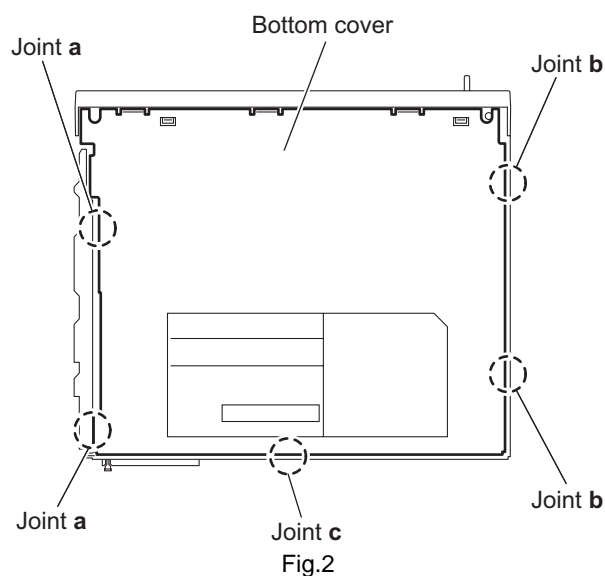


Fig.2

3.1.3 Removing the front chassis assembly (See Fig.3)

- Prior to performing the following procedures, remove the front panel assembly and bottom cover.
- (1) Remove the two screws **A** on the both sides of the main body.
- (2) Release the two joints **d** and two joints **e** on the both sides of the main body, then remove the front chassis assembly toward the front.

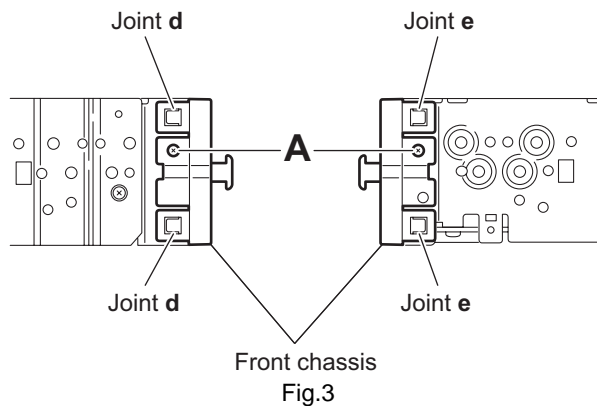
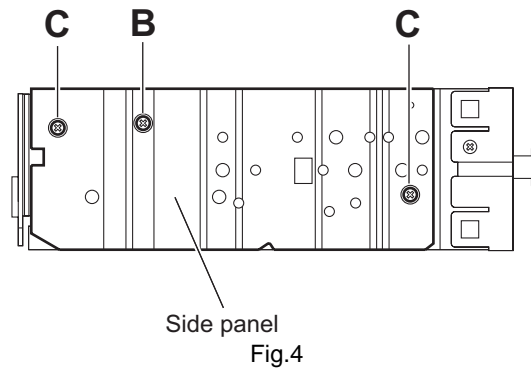


Fig.3

3.1.4 Removing the side panel (See Fig.4)

- Prior to performing the following procedure, remove the front panel assembly as required.
 - Remove the screw **B** and two screws **C** attaching the heat sink on the left side of the main body, and remove the side panel.

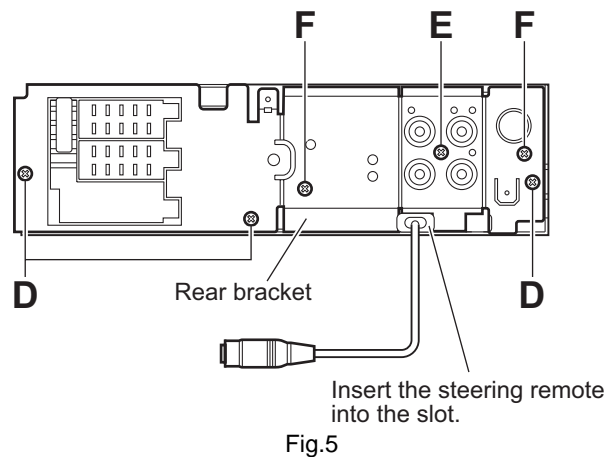


3.1.5 Removing the rear bracket (See Fig.5)

- Prior to performing the following procedure, remove the bottom cover.
 - Remove the three screws **D**, screw **E** and two screws **F** attaching the rear bracket on the back side of the main body.
 - Remove the rear bracket.

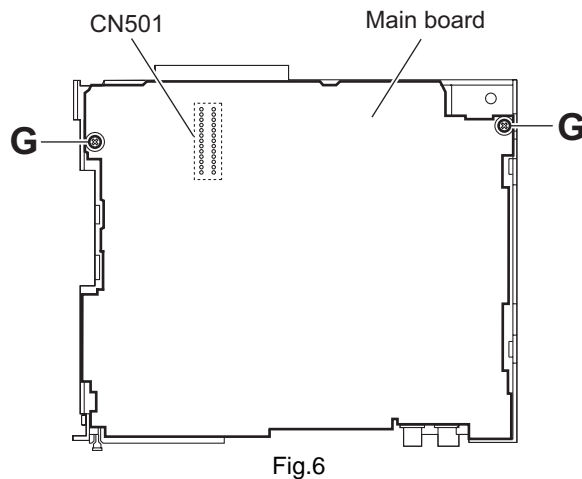
3.1.6 Removing the main board (See Figs.5 and 6)

- Prior to performing the following procedures, remove the front panel assembly, bottom cover, front chassis assembly and side panel.
- Remove the front chassis assembly as required.
 - Remove the three screws **D** attaching the rear bracket on the back side of the main body. (See fig.5.)
 - From the bottom side of the main body, remove the two screws **H** attaching the main board. (See fig.6.)
 - Disconnect the connector [CN501](#) from the CD mechanism assembly and remove the main board. (See fig.6.)



Reference:

- Remove the rear bracket from the main body as required. (See "3.1.5 Removing the rear bracket".)
- During reassembly, before fixing the rear bracket onto the main body, insert the steering remote into the slot. (For G201 and G202)



3.1.7 Removing the CD mechanism assembly (See Fig.7)

- Prior to performing the following procedure, remove the front panel assembly, bottom cover, front chassis assembly, side panel, rear bracket, main board and CD mechanism board.
- (1) Remove the three screws **H** attaching the top chassis.
- (2) Take out the CD mechanism assembly.
- (3)

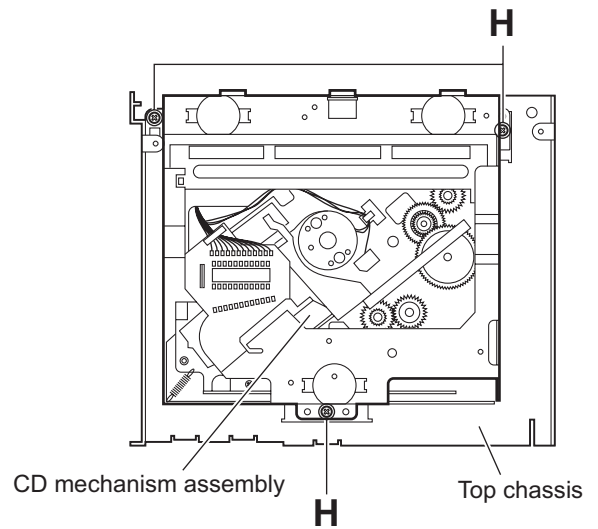


Fig.7

3.1.8 Removing the front board (See Figs.8 to 10)

- Prior to performing the following procedure, remove the front panel assembly.
- (1) Remove the four screws **J** on the back side of the front panel assembly. (See Fig.8.)
- (2) Release the ten joints **f** attaching the rear cover to the front panel assembly. (See Fig.9.)
- (3) Release the joint **g** and take out the front board. (See Fig.10.)

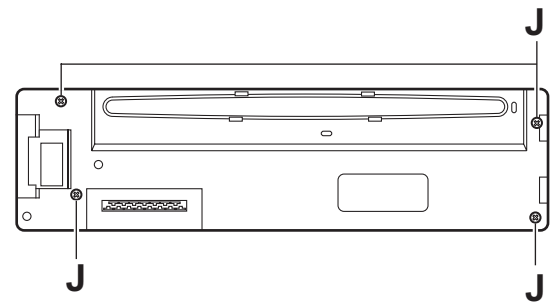


Fig.8

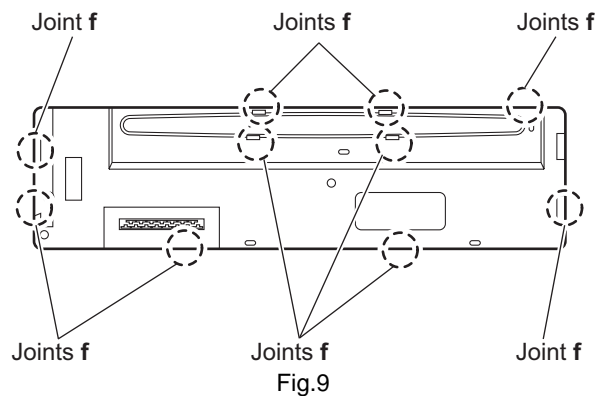


Fig.9

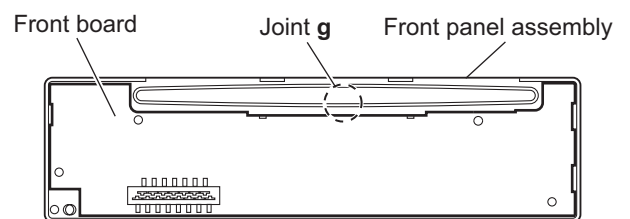


Fig.10

3.2 CD Mechanism Assembly

3.2.1 Removing the top cover

(See Figs.1 and 2)

- (1) Remove the two screws **A** on the both side of the body.
- (2) Lift the front side of the top cover and move the top cover backward to release the two joints **a**.

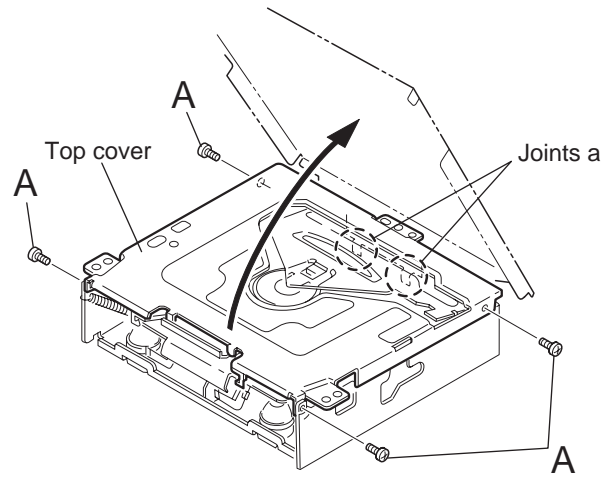


Fig.1

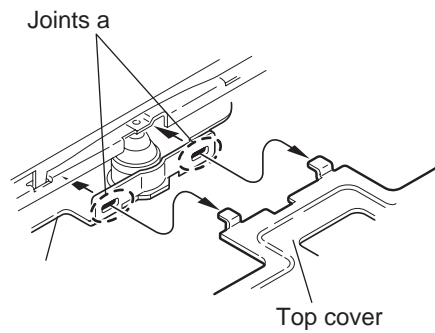


Fig.2

3.2.2 Removing the connector board (See Figs.3 to 5)

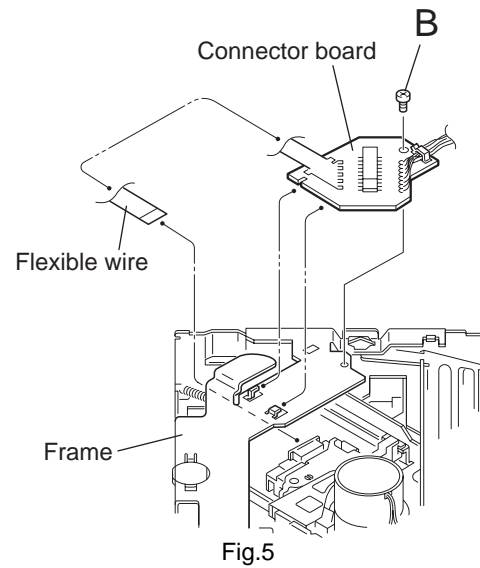
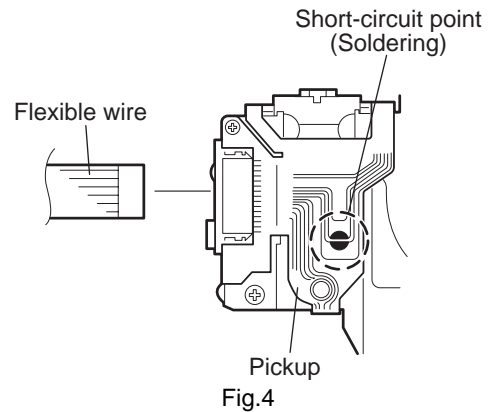
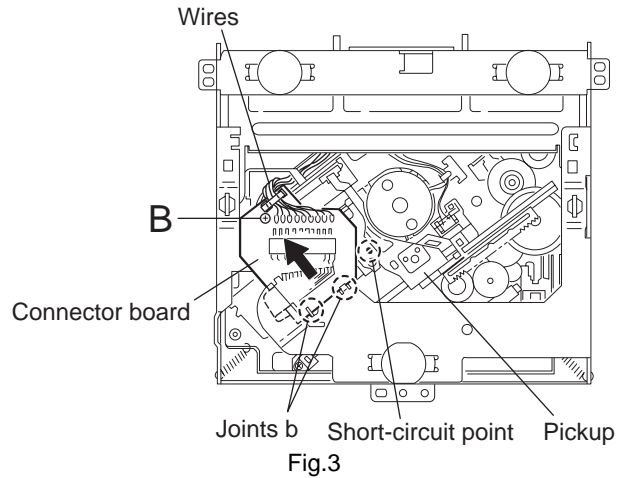
CAUTION:

Before disconnecting the flexible wire from the pickup, solder the short-circuit point on the pickup. No observance of this instruction may cause damage of the pickup.

- (1) Remove the screw **B** fixing the connector board.
- (2) Solder the short-circuit point on the connector board.
- (3) Disconnect the flexible wire from the pickup.
- (4) Move the connector board in the direction of the arrow to release the two joints **b**.
- (5) Unsolder the wire on the connector board if necessary.

CAUTION:

Unsolder the short-circuit point after reassembling.



3.2.3 Removing the DET switch (See Figs.6 and 7)

- (1) Extend the two tabs **c** of the feed sw. holder and pull out the switch.
- (2) Unsolder the DET switch wire if necessary.

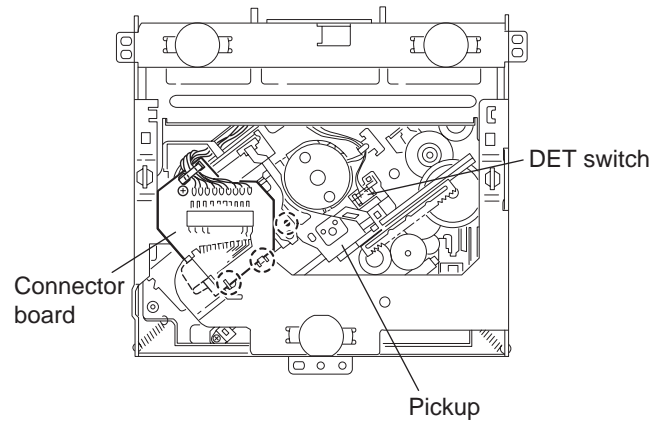


Fig.6

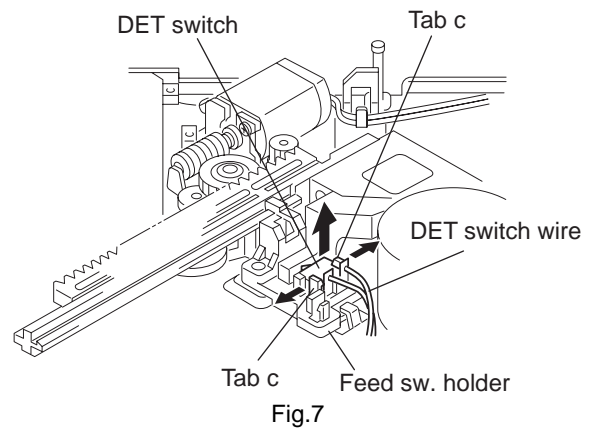


Fig.7

3.2.4 Removing the chassis unit (See Figs.8 and 9)

- Prior to performing the following procedure, remove the top cover and connector board.
- (1) Remove the two suspension springs (L) and (R) attaching the chassis unit to the frame.

CAUTION:

- The shape of the suspension spring (L) and (R) are different. Handle them with care.
- When reassembling, make sure that the three shafts on the underside of the chassis unit are inserted to the dampers certainly.

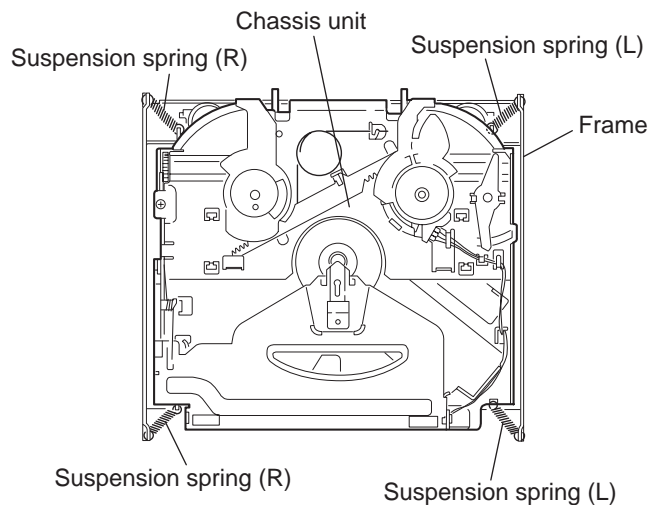


Fig.8

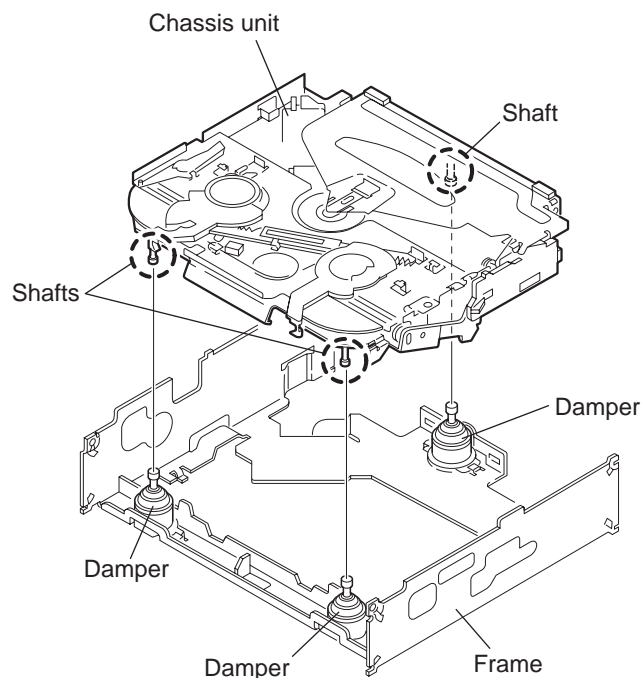
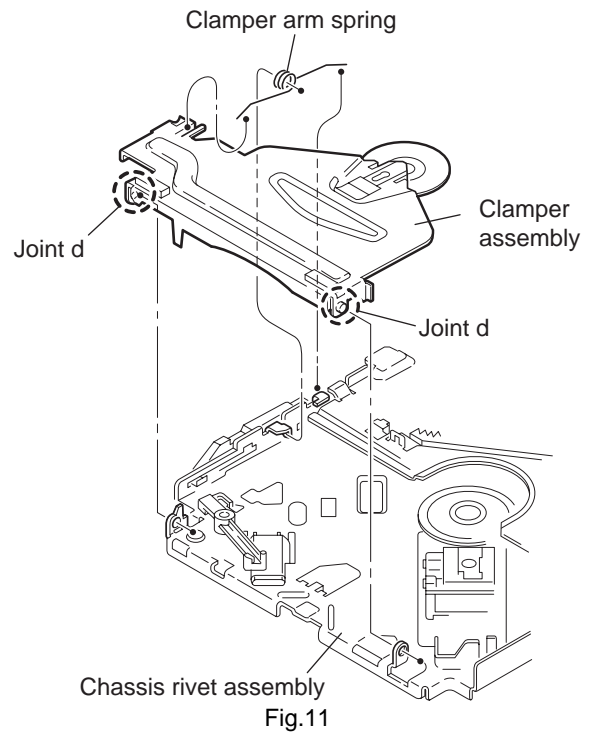
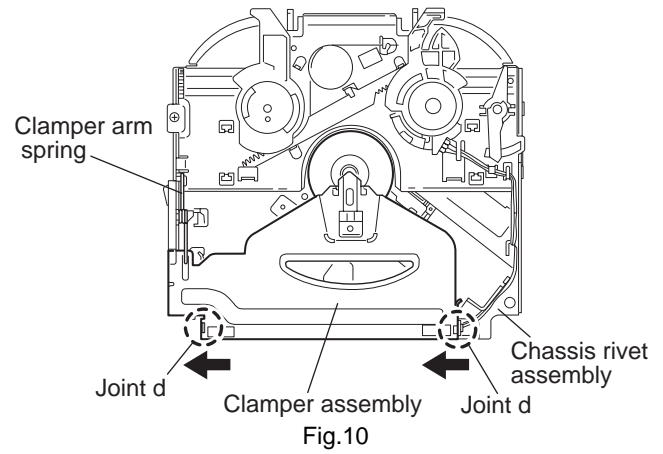


Fig.9

3.2.5 Removing the clamper assembly (See Figs.10 and 11)

- Prior to performing the following procedure, remove the top cover.
 - (1) Remove the clamper arm spring.
 - (2) Move the clamper assembly in the direction of the arrow to release the two joints **d**.

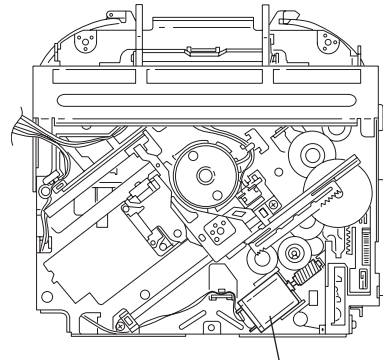


3.2.6 Removing the loading / feed motor assembly (See Figs.12 and 13)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
 - (1) Remove the screw **C** and move the loading / feed motor assembly in the direction of the arrow to remove it from the chassis rivet assembly.
 - (2) Disconnect the wire from the loading / feed motor assembly if necessary.

CAUTION:

When reassembling, connect the wire from the loading / feed motor assembly to the flame as shown in Fig.12.



Loading / feed motor assembly
Fig.12

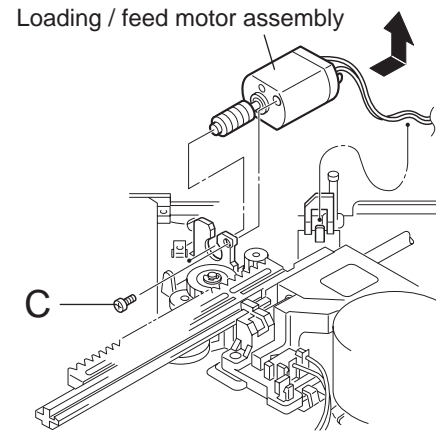


Fig.13

3.2.7 Removing the pickup unit (See Figs.14 to 18)

- Prior to performing the following procedure, remove the top cover, connector board and chassis unit.
- (1) Remove the screw **D** and pull out the pu. shaft holder from the pu. shaft.
- (2) Remove the screw **E** attaching the feed sw. holder.
- (3) Move the part **e** of the pickup unit upward with the pu. shaft and the feed sw. holder, then release the joint **f** of the feed sw. holder in the direction of the arrow. The joint **g** of the pickup unit and the feed rack is released, and the feed sw. holder comes off.
- (4) Remove the pu. shaft from the pickup unit.
- (5) Remove the screw **F** attaching the feed rack to the pickup unit.

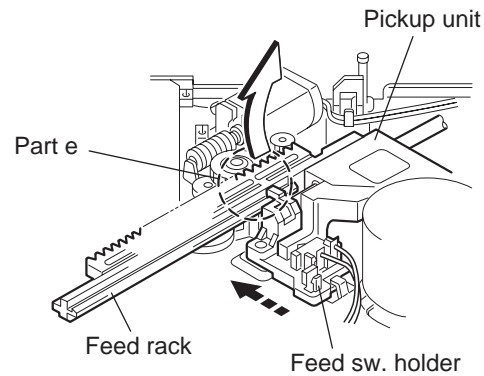


Fig.15

3.2.8 Reattaching the pickup unit (See Figs.14 to 17)

- (1) Reattach the feed rack to the pickup unit using the screw **F**.
- (2) Reattach the feed sw. holder to the feed rack while setting the joint **g** to the slot of the feed rack and setting the part **f** of the feed rack to the switch of the feed sw. holder correctly.
- (3) As the feed sw. holder is temporarily attached to the pickup unit, set to the gear of the joint **g** and to the bending part of the chassis (joint **h**) at a time.

CAUTION:

Make sure that the part **i** on the underside of the feed rack is certainly inserted to the slot **j** of the change lock lever.

- (4) Reattach the feed sw. holder using the screw **E**.
- (5) Reattach the pu. shaft to the pickup unit. Reattach the pu. shaft holder to the pu. shaft using the screw **D**.

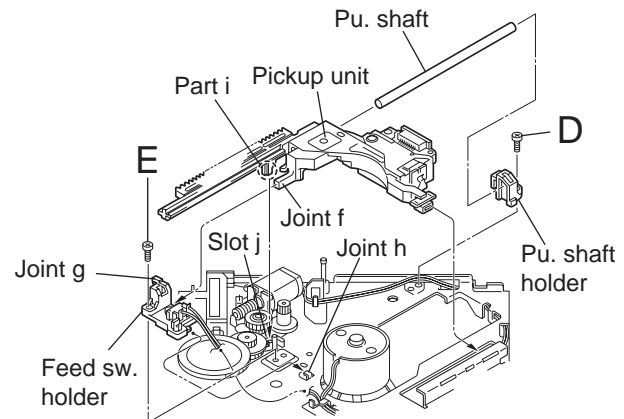


Fig.16

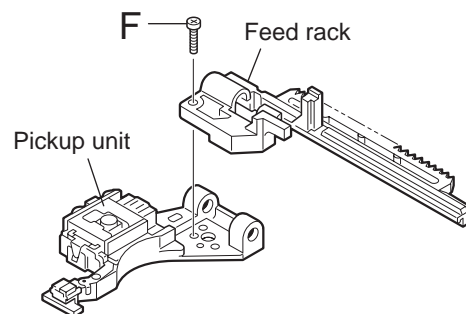


Fig.17

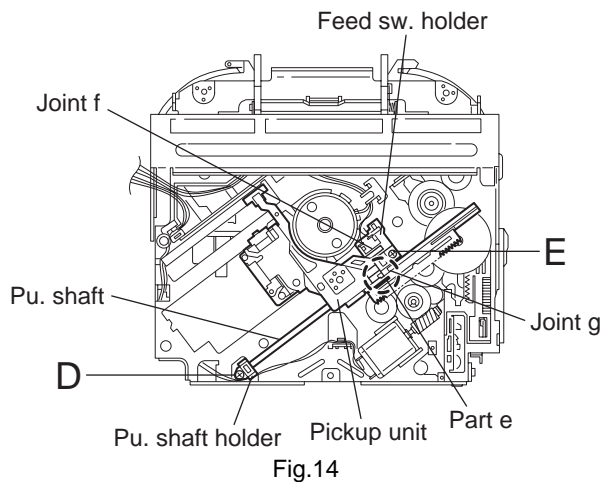


Fig.14

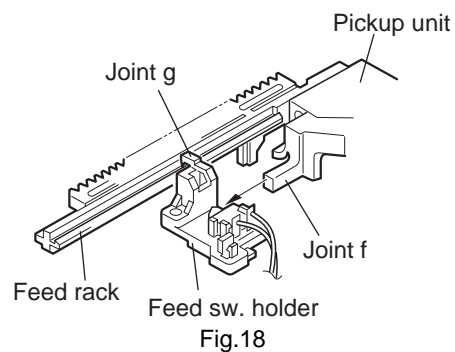


Fig.18

3.2.9 Removing the trigger arm (See Figs.19 and 20)

- Prior to performing the following procedure, remove the top cover, connector board and clumper unit.
- (1) Turn the trigger arm in the direction of the arrow to release the joint k and pull out upward.

CAUTION:

When reassembling, insert the part m and n of the trigger arm into the part p and q at the slot of the chassis rivet assembly respectively and join the joint k at a time.

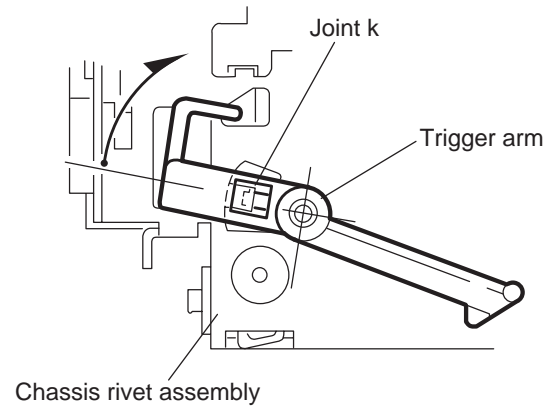


Fig.19

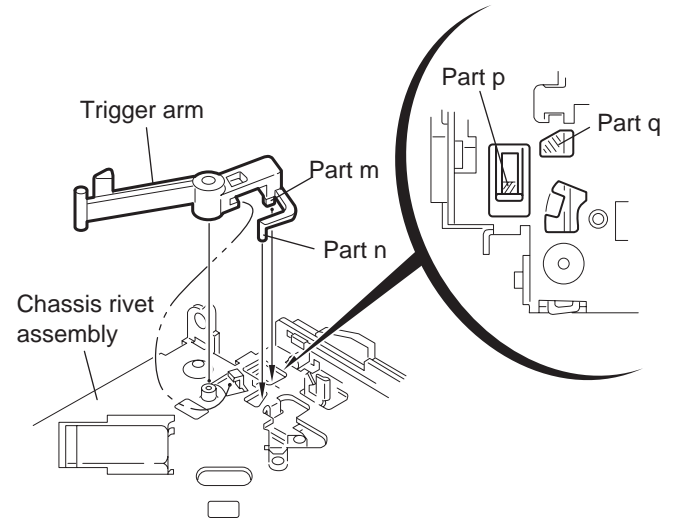


Fig.20

3.2.10 Removing the top plate assembly (See Fig.21)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit, and clumper assembly.
- (1) Remove the screw H.
- (2) Move the top plate assembly in the direction of the arrow to release the two joints r.
- (3) Unsolder the wire marked s if necessary.

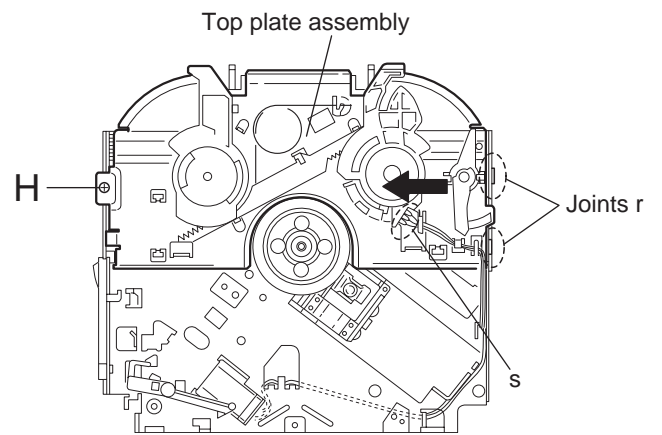


Fig.21

3.2.11 Removing the mode sw. / select lock arm (See Figs.22 and 23)

- Prior to performing the following procedure, remove the top plate assembly.
 - (1) Bring up the mode sw. to release from the link plate (joint **t**) and turn in the direction of the arrow to release the joint **u**.
 - (2) Unsolder the wire of the mode sw. marked **s** if necessary.
 - (3) Turn the select lock arm in the direction of the arrow to release the two joints **v**.
 - (4) The select lock arm spring comes off the select lock arm at the same time.

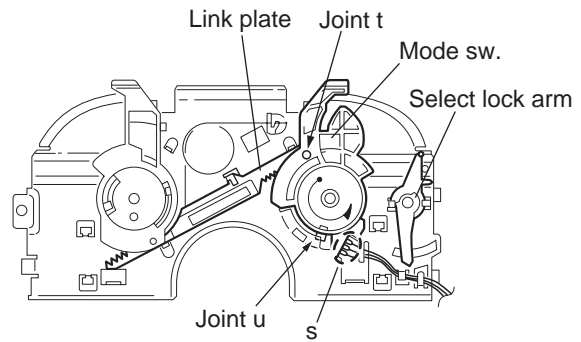


Fig.22

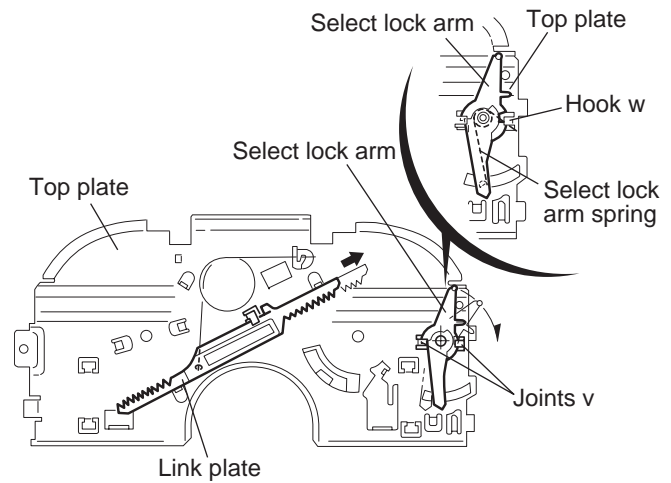


Fig.23

3.2.12 Reassembling the mode sw. / select lock arm (See Figs.24 to 26)

REFERENCE:

Reverse the above removing procedure.

- (1) Reattach the select lock arm spring to the top plate and set the shorter end of the select lock arm spring to the hook w on the top plate.
- (2) Set the other longer end of the select lock arm spring to the boss x on the underside of the select lock arm, and join the select lock arm to the slots (joint v). Turn the select lock arm as shown in the figure.
- (3) Reattach the mode sw. while setting the part t to the first peak of the link plate gear, and join the joint u.

CAUTION:

When reattaching the mode sw., check if the points y and z are correctly fitted and if each part operates properly.

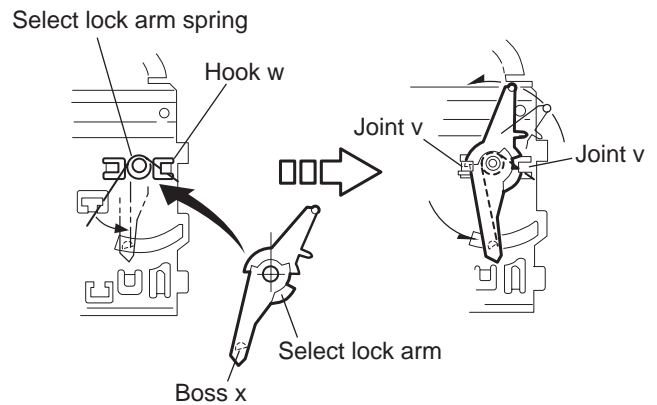


Fig.24

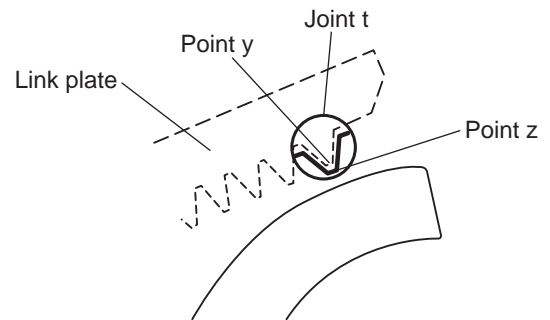


Fig.25

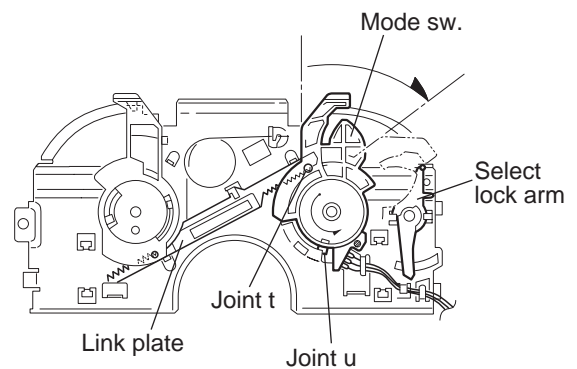


Fig.26

3.2.13 Removing the select arm R / link plate (See Figs.27 and 28)

- Prior to performing the following procedure, remove the top plate assembly.
 - Bring up the select arm R to release from the link plate (joint a') and turn as shown in the figure to release the two joints b' and joint c'.
 - Move the link plate in the direction of the arrow to release the joint d'. Remove the link plate spring at the same time.

REFERENCE:

Before removing the link plate, remove the mode sw..

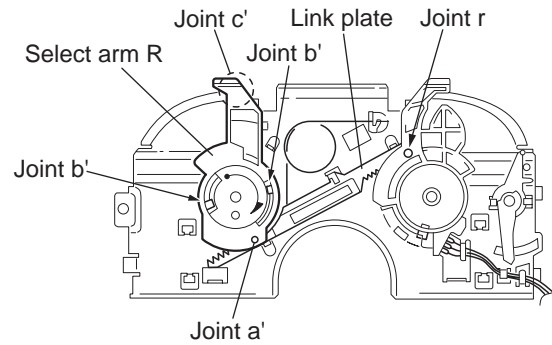


Fig.27

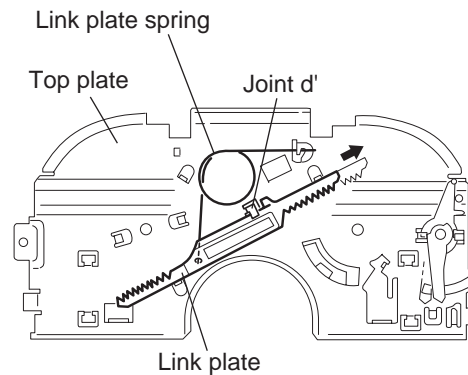


Fig.28

3.2.14 Reattaching the Select arm R / link plate (See Figs.29 and 30)

REFERENCE:

Reverse the above removing procedure.

- Reattach the link plate spring.
- Reattach the link plate to the link plate spring while joining them at joint d'.
- Reattach the joint a' of the select arm R to the first peak of the link plate while joining the two joints b' with the slots. Then turn the select arm R as shown in the figure. The top plate is joined to the joint c'.

CAUTION:

When reattaching the select arm R, check if the points e' and f' are correctly fitted and if each part operates properly.

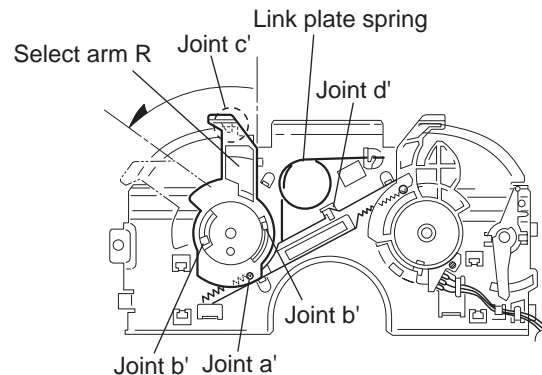


Fig.29

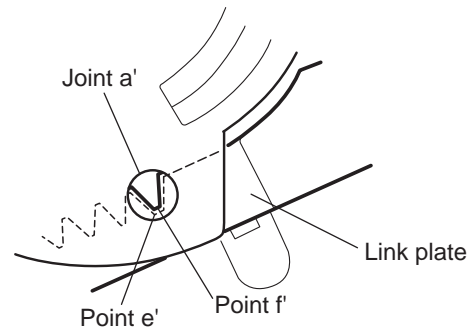


Fig.30

3.2.15 Removing the loading roller assembly (See Figs.31 to 33)

- Prior to performing the following procedure, remove the clamber assembly and top plate assembly.
- (1) Push inward the loading roller assembly on the gear side and detach it upward from the slot of the joint **g'** of the lock arm rivet assembly.
- (2) Detach the loading roller assembly from the slot of the joint **h'** of the lock arm rivet assembly.

The roller guide comes off the gear section of the loading roller assembly.

Remove the roller guide and the HL washer from the shaft of the loading roller assembly.

- (3) Remove the screw **J** attaching the lock arm rivet assembly.
- (4) Push the shaft at the joint **i'** of the lock arm rivet assembly inward to release the lock arm rivet assembly from the slot of the L side plate.
- (5) Extend the lock arm rivet assembly outward and release the joint **j'** from the boss of the chassis rivet assembly. The roller guide springs on both sides come off at the same time.

CAUTION:

When reassembling, reattach the left and right roller guide springs to the lock arm rivet assembly before reattaching the lock arm rivet assembly to the chassis rivet assembly. Make sure to fit the part **k'** of the roller guide spring inside of the roller guide. (Refer to Fig.34.)

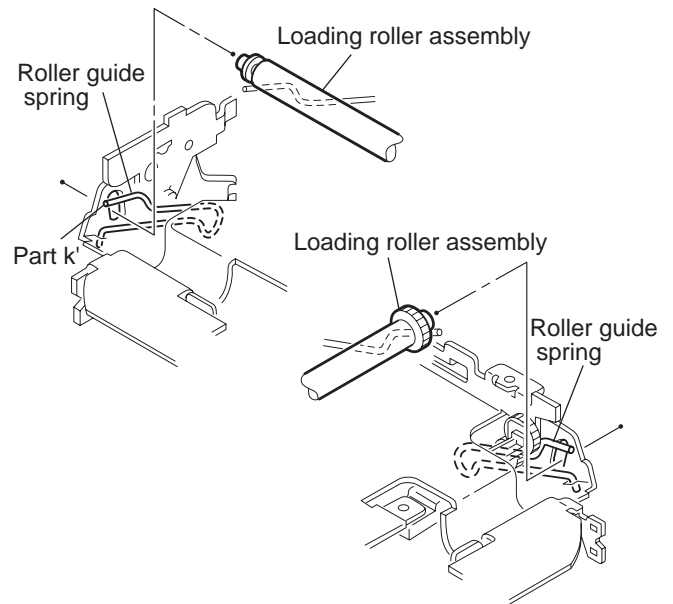
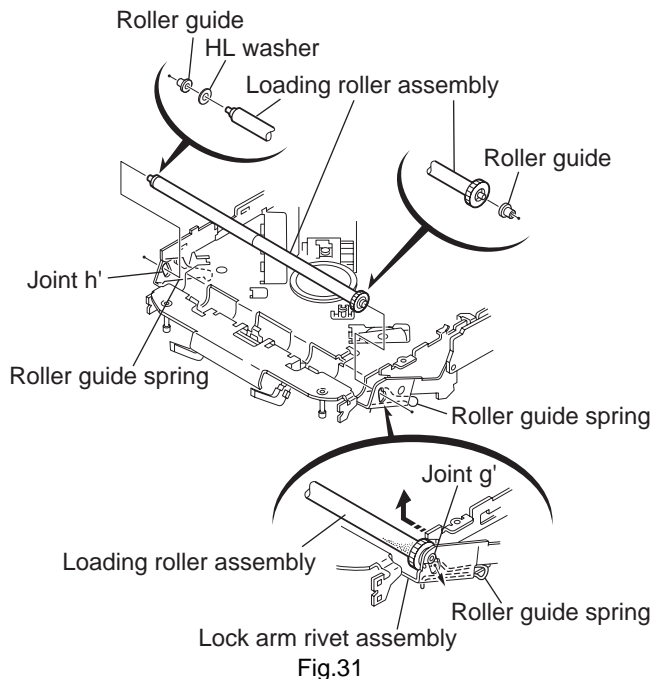


Fig.32

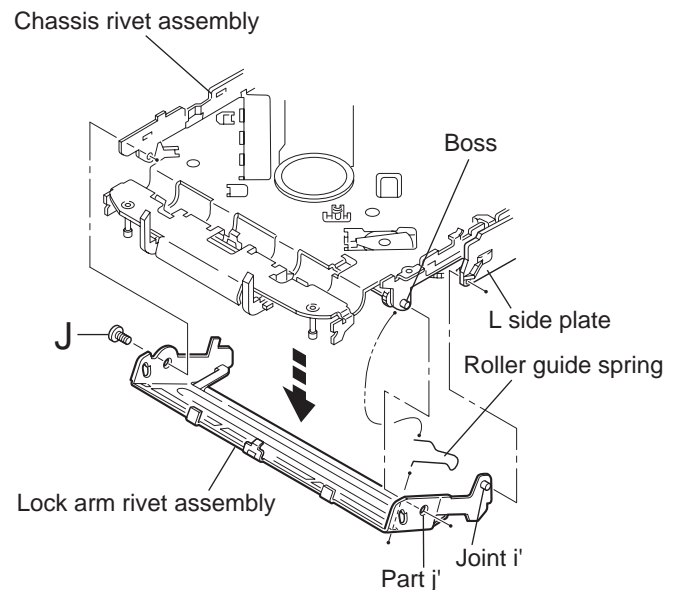


Fig.33

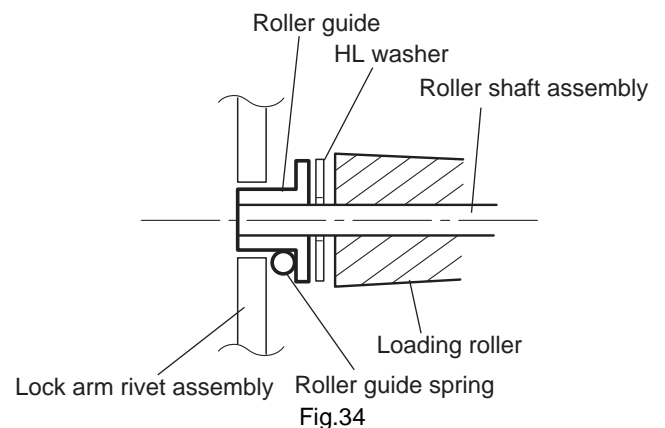
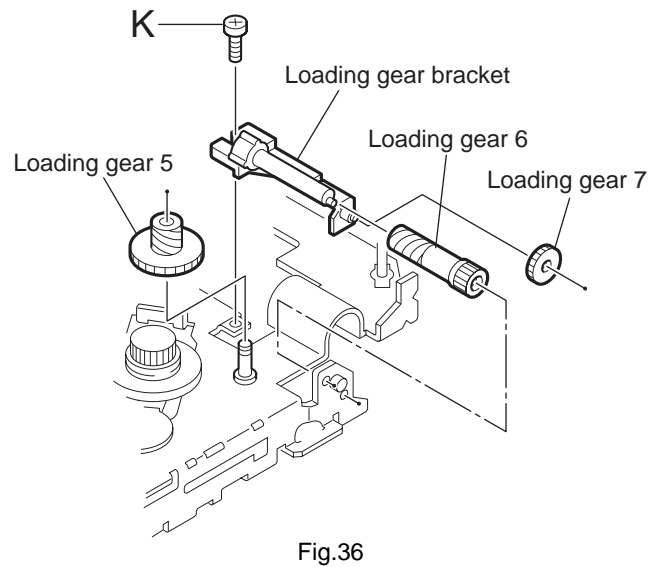
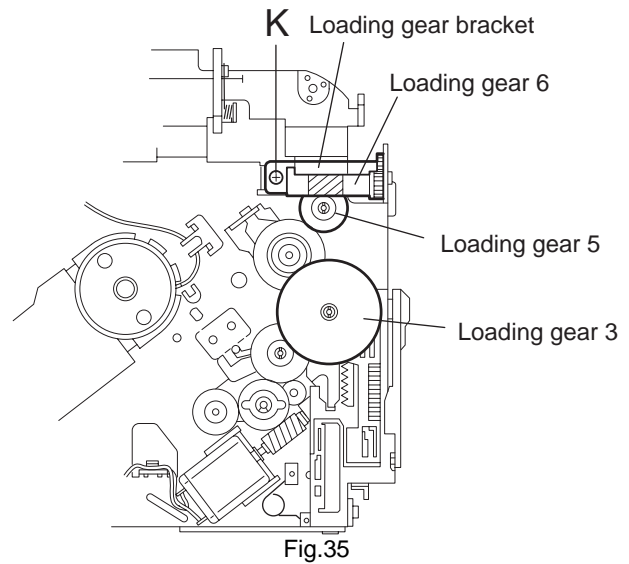


Fig.34

3.2.16 Removing the loading gear 5, 6 and 7 (See Figs.35 and 36)

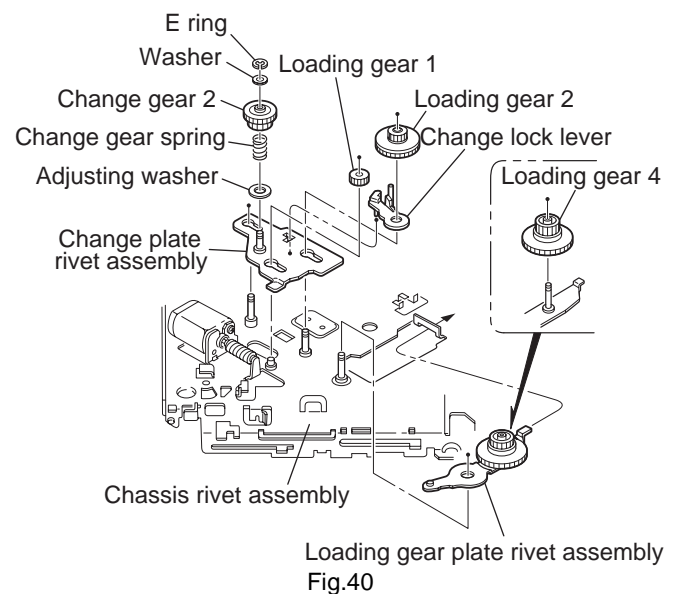
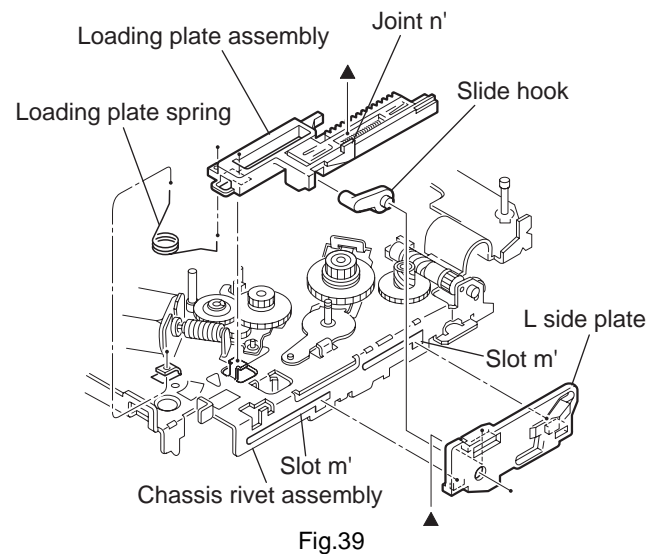
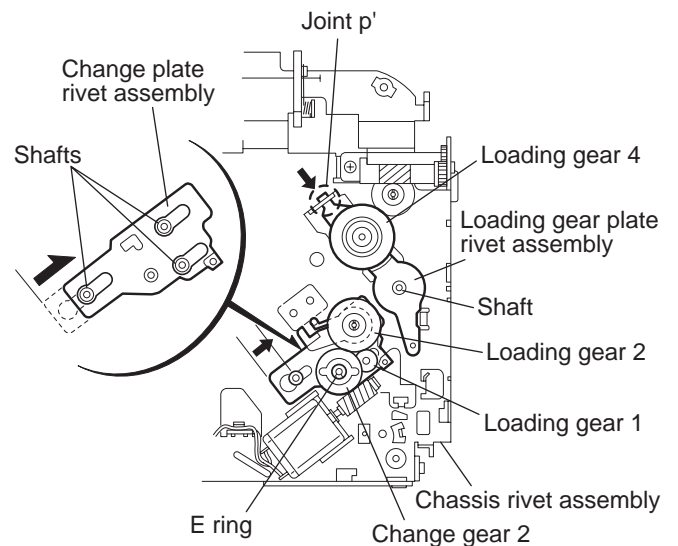
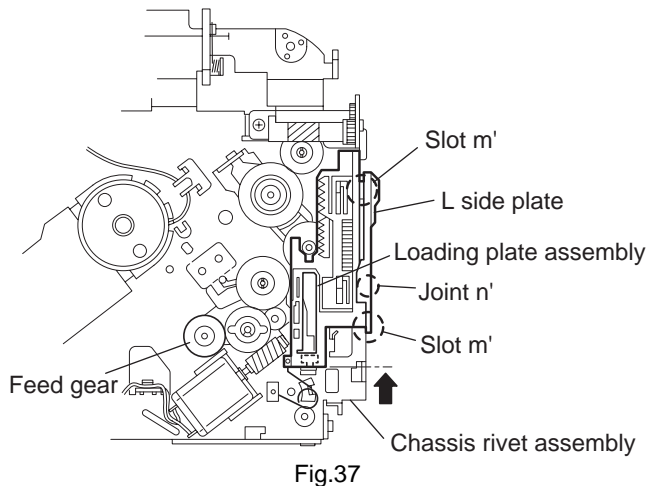
- Prior to performing the following procedure, remove the top cover, chassis unit, pickup unit and top plate assembly.
 - (1) Remove the screw **K** attaching the loading gear bracket.
The loading gear 6 and 7 come off the loading gear bracket.
 - (2) Pull out the loading gear 5.



3.2.17 Removing the gears

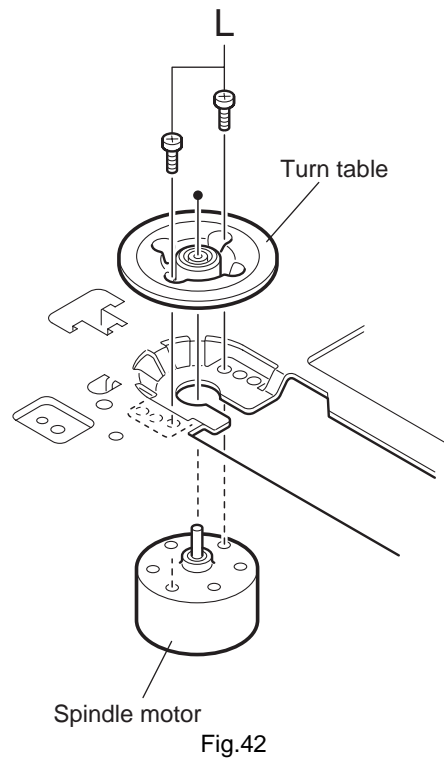
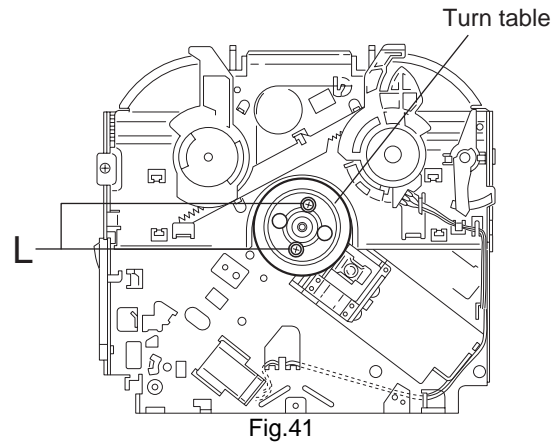
(See Figs.37 to 40)

- Prior to performing the following procedure, remove the top cover, chassis unit, top plate assembly and pickup unit.
- Pull out the loading gear 3. (See Fig.35.)
 - (1) Pull out the feed gear.
 - (2) Move the loading plate assembly in the direction of the arrow to release the L side plate from the two slots m' of the chassis rivet assembly. (See Fig.37.)
 - (3) Detach the loading plate assembly upward from the chassis rivet assembly while releasing the joint n'. Remove the slide hook and loading plate spring from the loading plate assembly.
 - (4) Pull out the loading gear 2 and remove the change lock lever.
 - (5) Remove the E ring and washer attaching the changer gear 2.
 - (6) The changer gear 2, change gear spring and adjusting washer come off.
 - (7) Remove the loading gear 1.
 - (8) Move the change plate rivet assembly in the direction of the arrow to release from the three shafts of the chassis rivet assembly upward. (See Fig.38.)
 - (9) Detach the loading gear plate rivet assembly from the shaft of the chassis rivet assembly upward while releasing the joint p'. (See Figs.38 and 40.)
 - (10) Pull out the loading gear 4.



3.2.18 Removing the turn table / spindle motor (See Figs.41 and 42)

- Prior to performing the following procedure, remove the top cover, connector board, chassis unit and clumper assembly.
 - (1) Remove the two screws **L** attaching the spindle motor assembly through the slot of the turn table on top of the body.
 - (2) Unsolder the wire on the connector board if necessary.



SECTION 4 ADJUSTMENT

4.1 Adjustment method

■ Test instruments required for adjustment

- (1) Digital oscilloscope (100MHz)
- (2) AM Standard signal generator
- (3) FM Standard signal generator
- (4) Stereo modulator
- (5) Electric voltmeter
- (6) Digital tester
- (7) Tracking offset meter
- (8) Test Disc JVC :CTS-1000
- (9) Extension cable for check
EXTSH002-22P × 1

■ Standard volume position

Balance and Bass & Treble volume : Indication "0"
Loudness : OFF

■ How to connect the extension cable for adjusting

Caution:

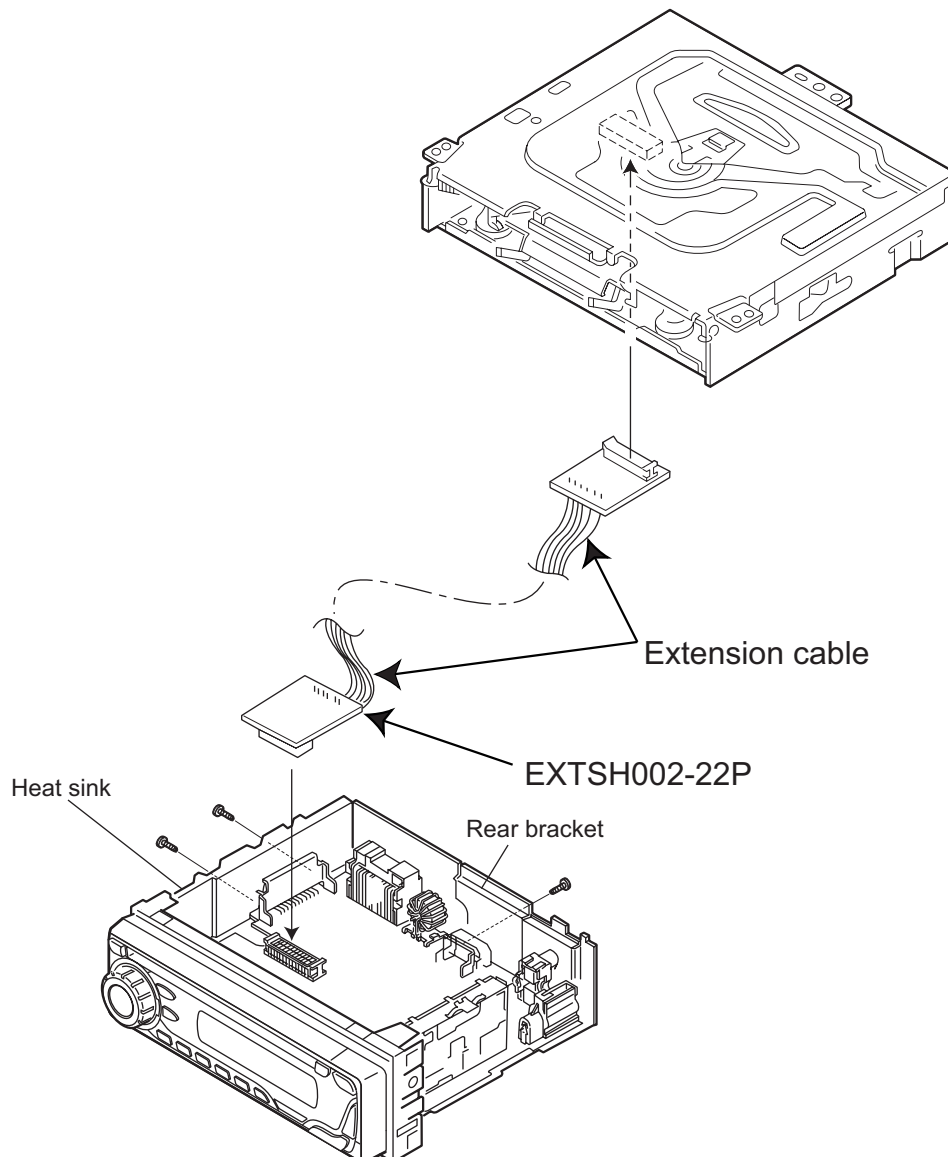
Be sure to attach the heat sink and rear bracket onto the power amplifier IC and regulator IC respectively, before supply the power.
If voltage is applied without attaching these parts, the power amplifier IC and regulator IC will be destroyed by heat.

■ Standard measuring conditions

Power supply voltage	DC14.4V(10.5 to 16V)
Load impedance	20K Ω (2 Speakers connection)
Output Level	Line out 2.0V (Vol. MAX)

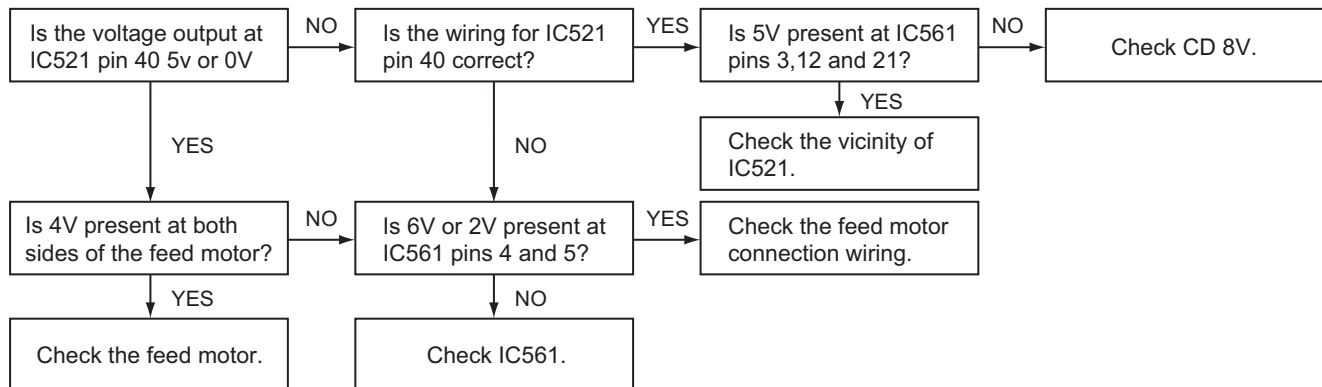
■ Dummy load

Exclusive dummy load should be used for AM, and FM. For FM dummy load, there is a loss of 6dB between SSG output and antenna input. The loss of 6dB need not be considered since direct reading of figures are applied in this working standard.

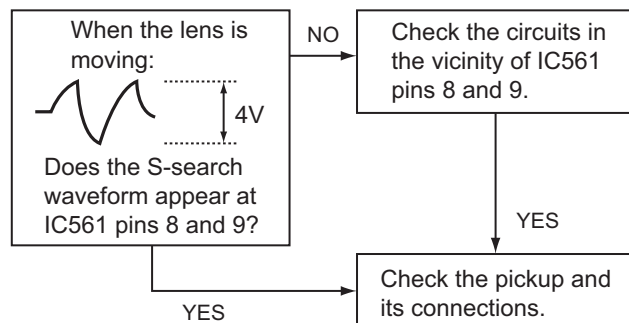


SECTION 5 TROUBLE SHOOTING

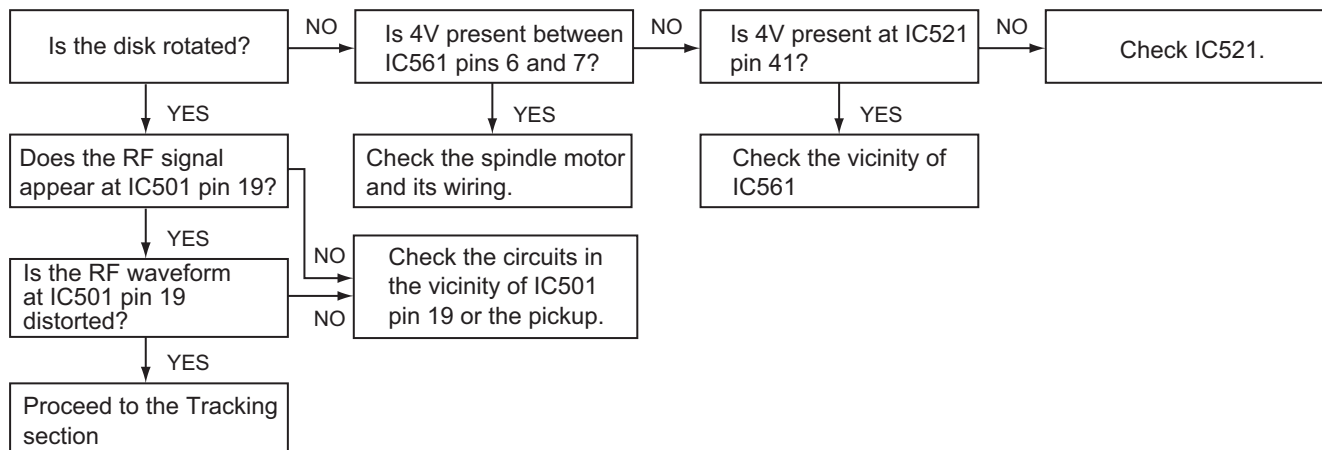
5.1 Feed section



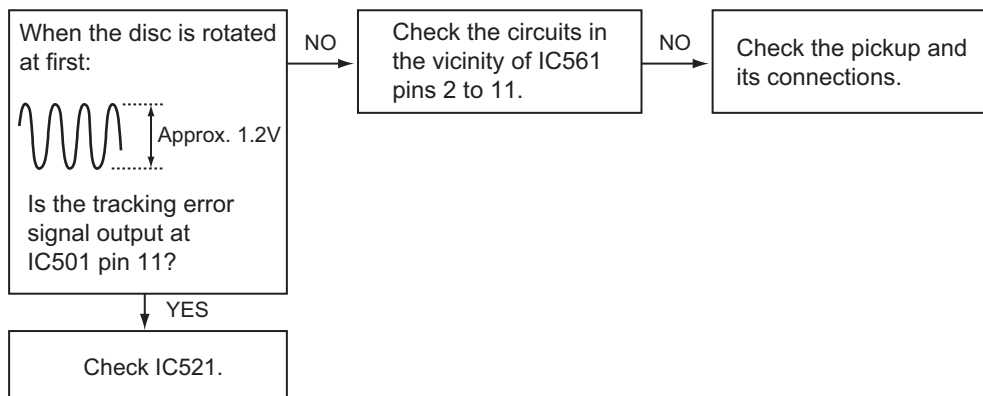
5.2 Focus section



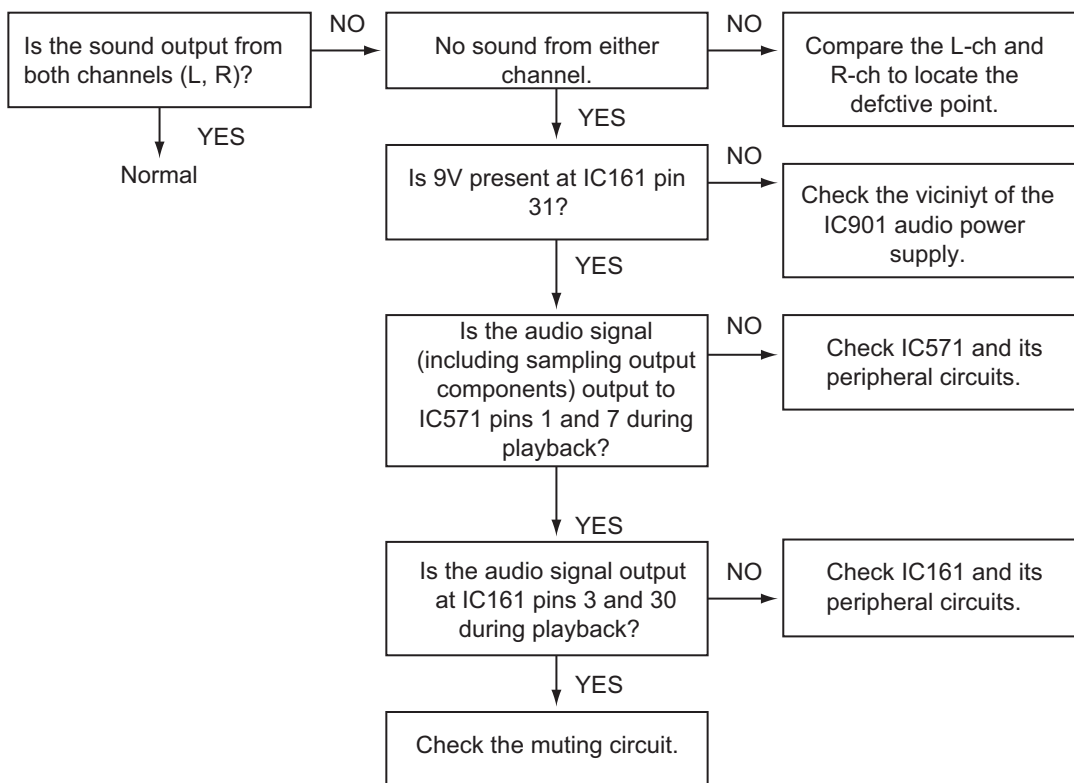
5.3 Spindle section



5.4 Tracking section



5.5 Signal processing section



5.6 Maintenance of laser pickup

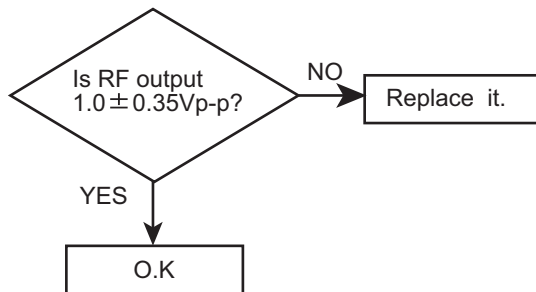
(1) Cleaning the pick up lens

Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

(2) Life of the laser diode

When the life of the laser diode has expired, the following symptoms will appear.

- The level of RF output (EFM output: amplitude of eye pattern) will be low.



(3) Semi-fixed resistor on the APC PC board

The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power. Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.

If the laser power is lower than the specified value, the laser diode is almost worn out, and the laser pickup should be replaced. If the semi-fixed resistor is adjusted while the pickup is functioning normally, the laser pickup may be damaged due to excessive current.

5.7 Replacement of laser pickup

Turn off the power switch and, disconnect the power cord from the ac outlet.

Replace the pickup with a normal one. (Refer to "Pickup Removal" on the previous page)

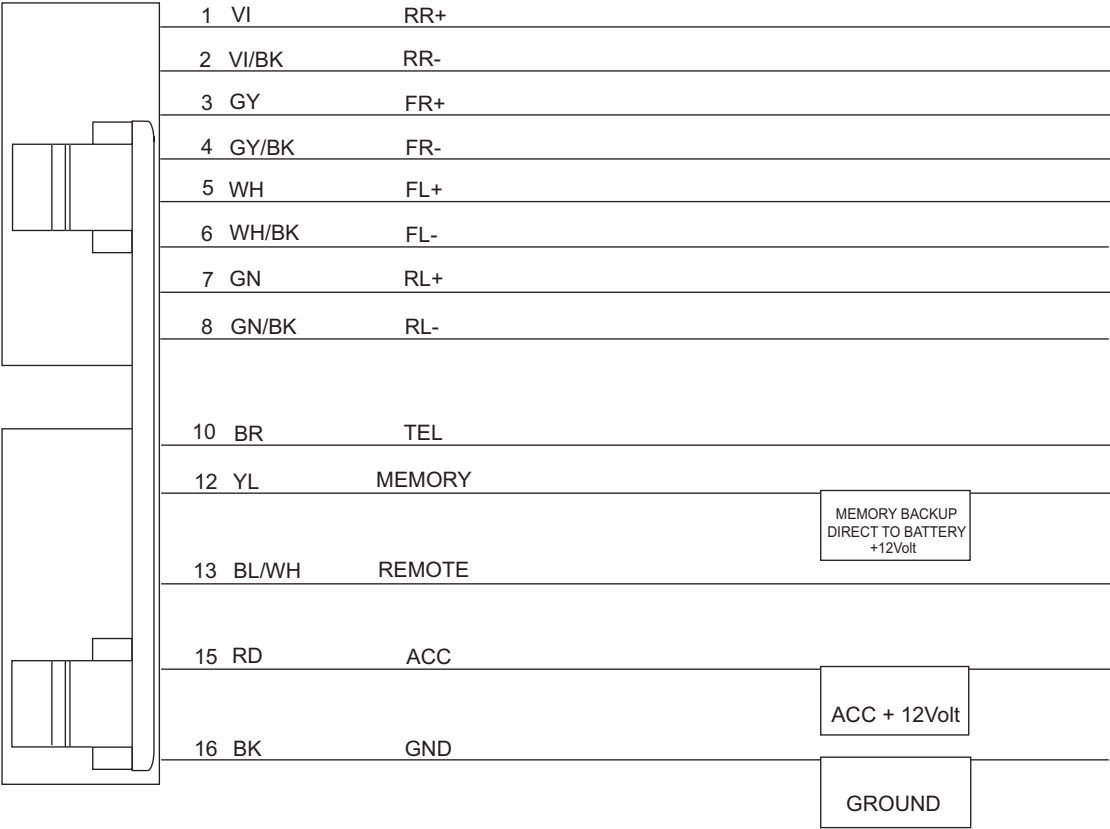
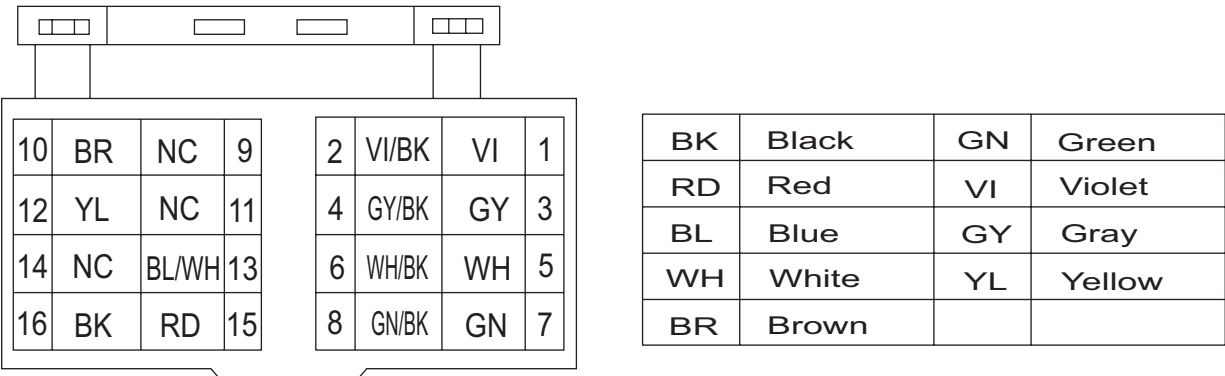
Plug the power cord in, and turn the power on. At this time, check that the laser emits for about 3 seconds and the objective lens moves up and down.
Note: Do not observe the laser beam directly.

Play a disc.

Check the eye-pattern at TP1.

Finish.

5.8 16 PIN CODE DIAGRAM



RR	Rear Right	ANT	Auto Antenna
FR	Front Right	ACC	ACC Line
FL	Front Left	TEL	Telephone Muting
RL	Rear Left	GND	Ground
REMOTE	Remote	MEMORY	Memory Backup Battery+



VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY MOBILE ENTERTAINMENT CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA039)



Printed in Japan
WPC

JVC

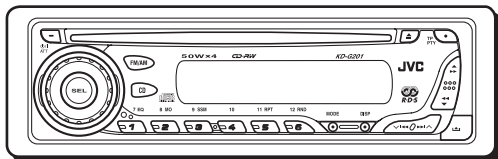
SCHEMATIC DIAGRAMS

CD RECEIVER

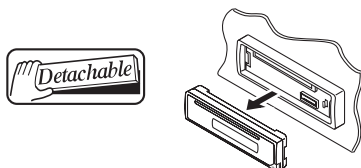
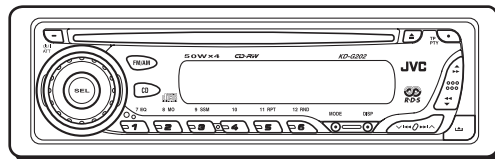
KD-G201, KD-G202, KD-G207

CD-ROM No.SML200401

KD-G201



KD-G202



CD-RW
compact
disc
DIGITAL AUDIO



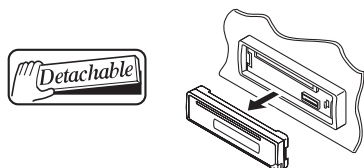
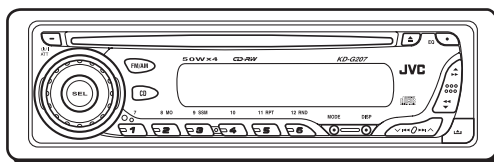
KD-G201, KD-G202

Area suffix

E ----- Continental Europe

EX ----- Central Europe

KD-G207



CD-RW
compact
disc
DIGITAL AUDIO

KD-G207

Area suffix

EE ----- Russian Federation

	KD-G201 E	KD-G202 E/EX	KD-G207 EE/EX
STEERING CABLE	○	○	×
RDS	○	○	×
LINE OUT	○	○	×

Contents

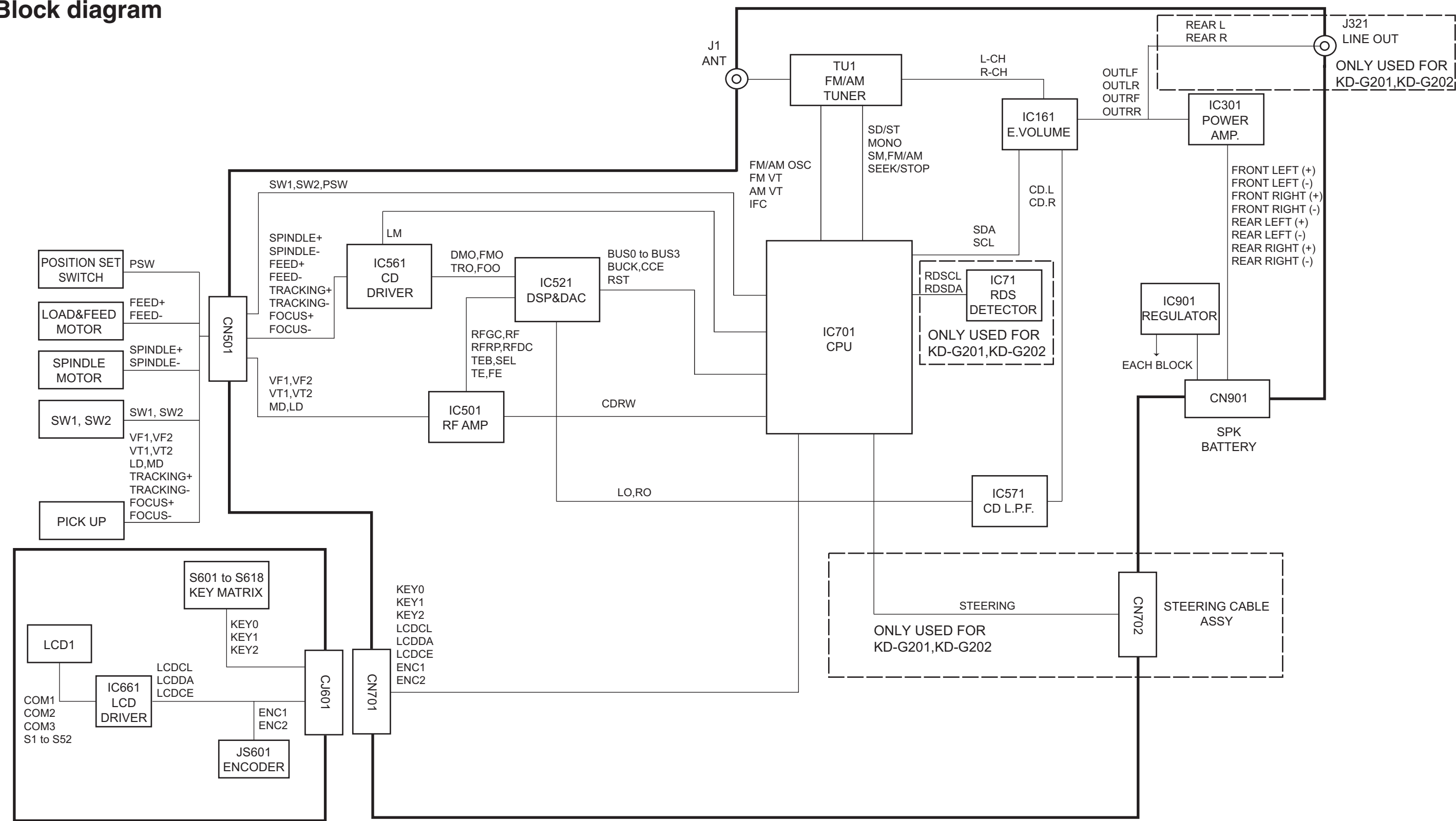
Block diagram	2-1
Standard schematic diagrams	2-2 to 7
Printed circuit boards	2-8, 9

Safety precaution

 **CAUTION** Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

 **CAUTION** Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.

Block diagram



Standard schematic diagrams

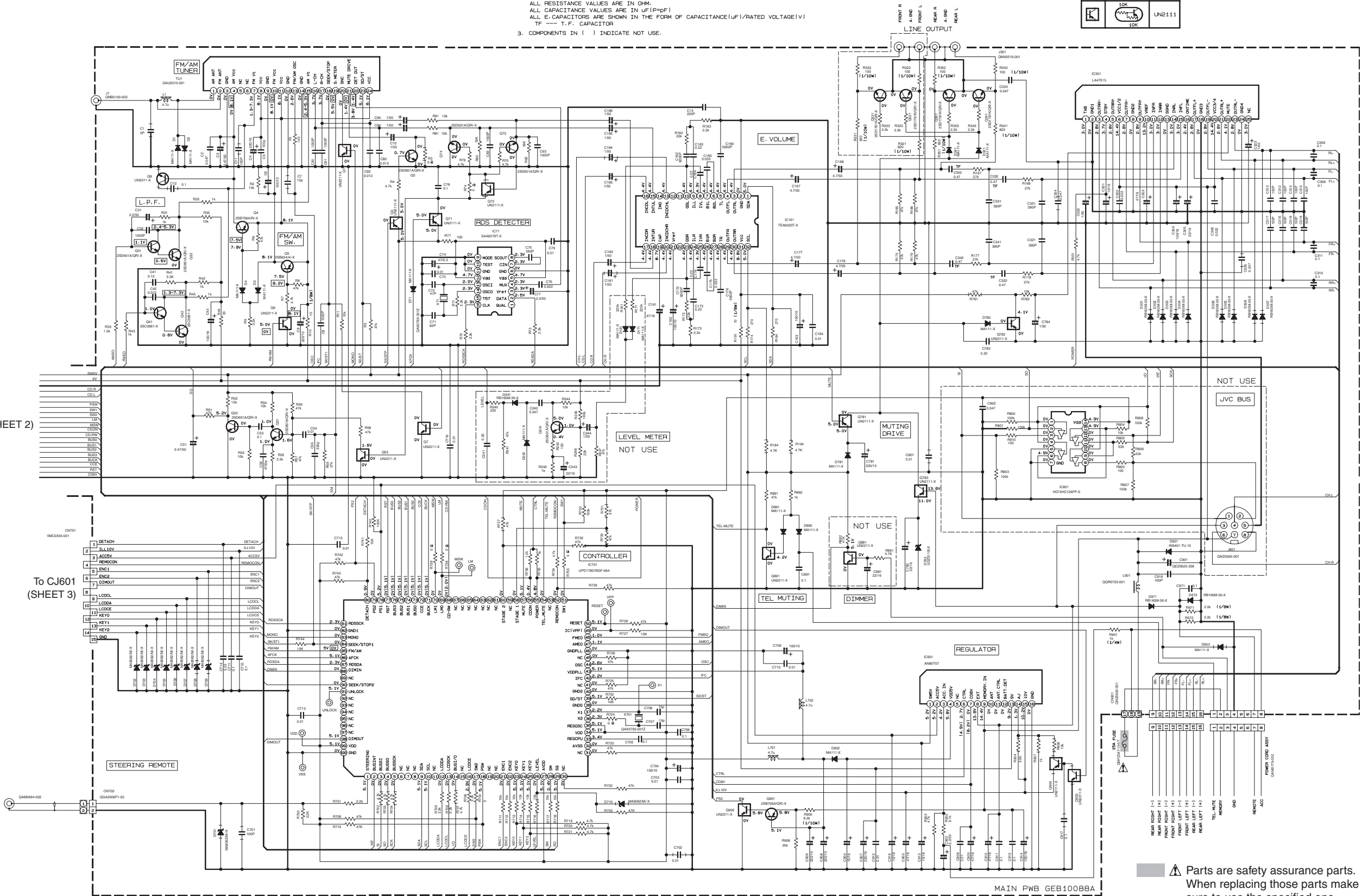
■ Main amplifier section (KD-G201, KD-G202)

- NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION—FM MODE. □ AM MODE. () CD MODE.
 2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN UF(PF)
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(UF)/RATED VOLTAGE(V)
TF — T.F. CAPACITOR
 3. COMPONENTS IN () INDICATE NOT USE.

	10K	UN2211
	10K	UN2111
	10K	UN2111
	10K	UN2111

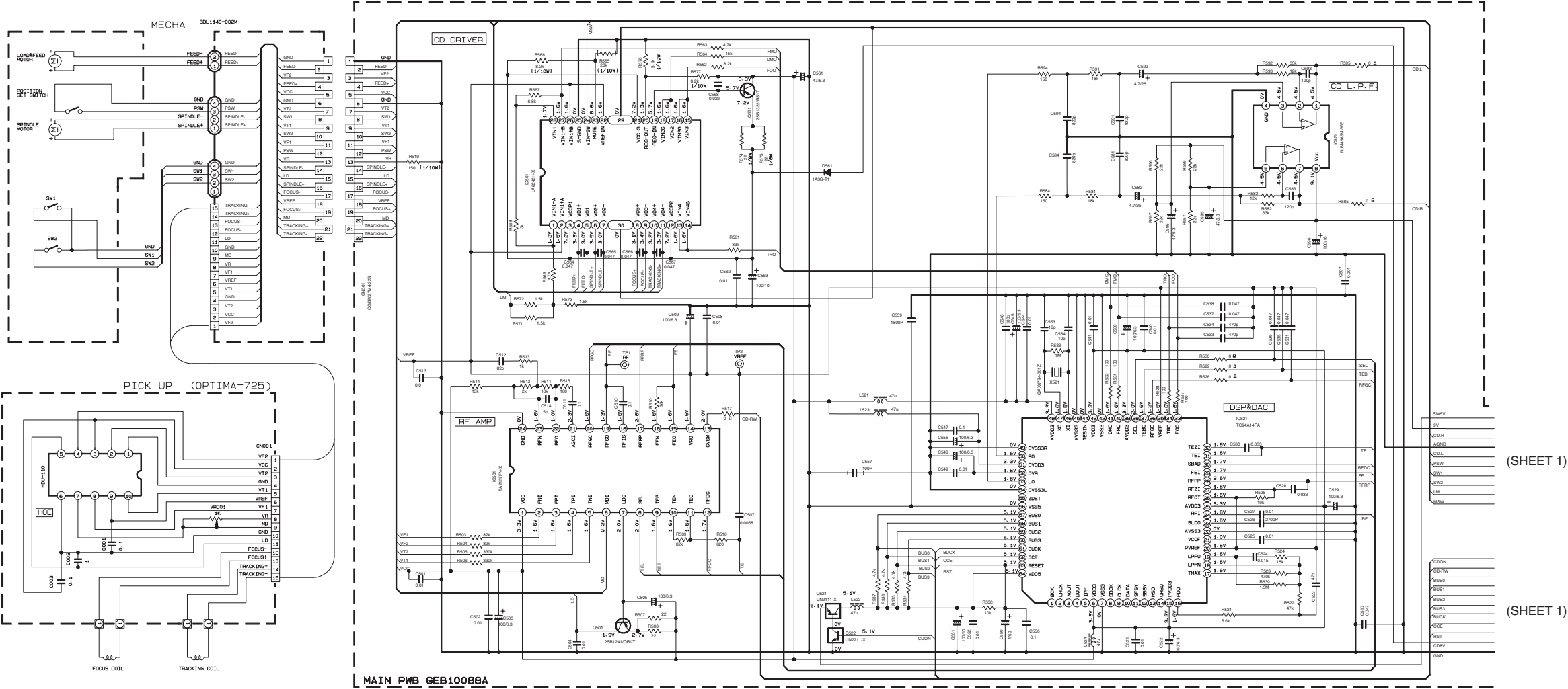
(SHEET 2)

To CJ601
(SHEET 3)



⚠ Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

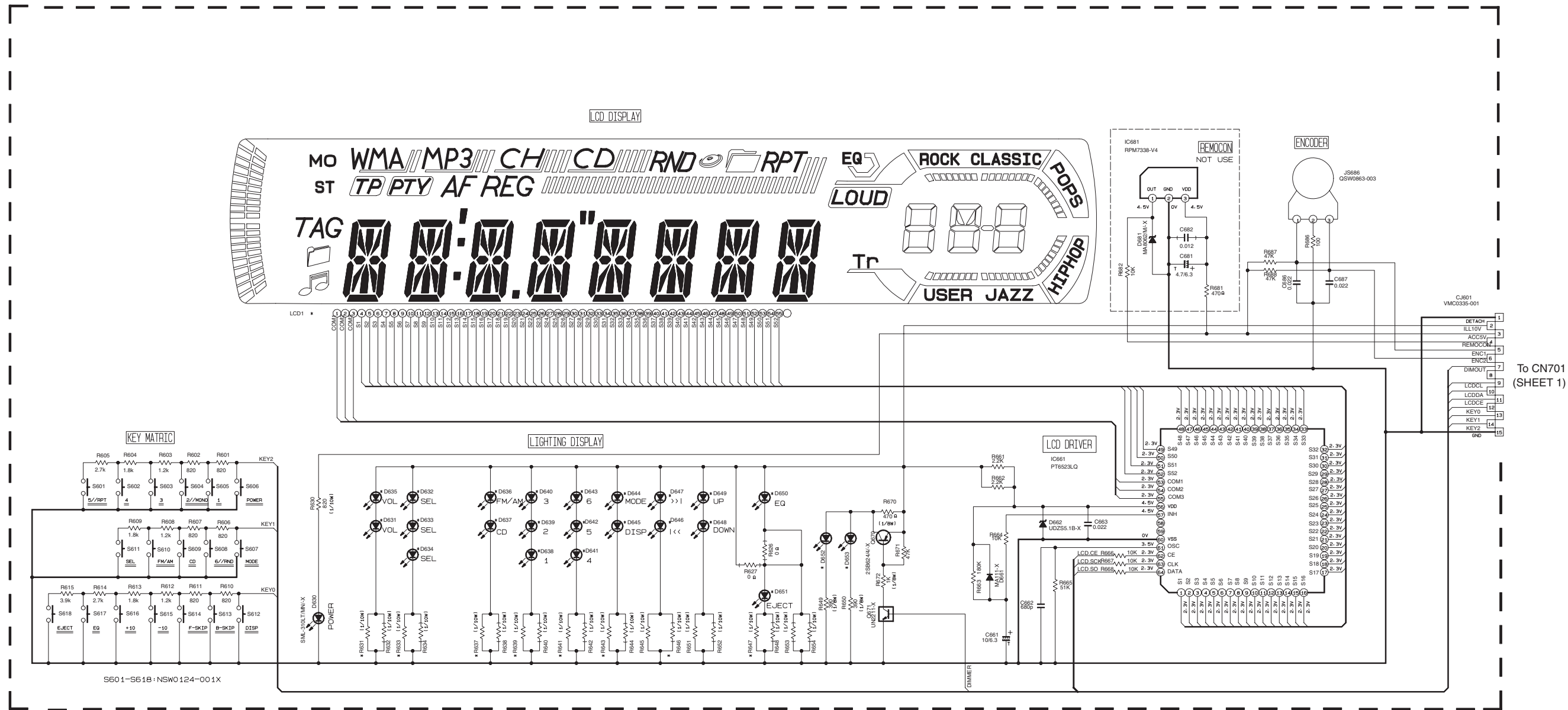
■ CD servo section (KD-G201, KD-G202)



	10K	UN2211-X
	10K	UN2111-X

- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION — CD MODE.
 - UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/16W ± 5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF (pF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).

■ LCD & Key control section (KD-G201, KD-G202)



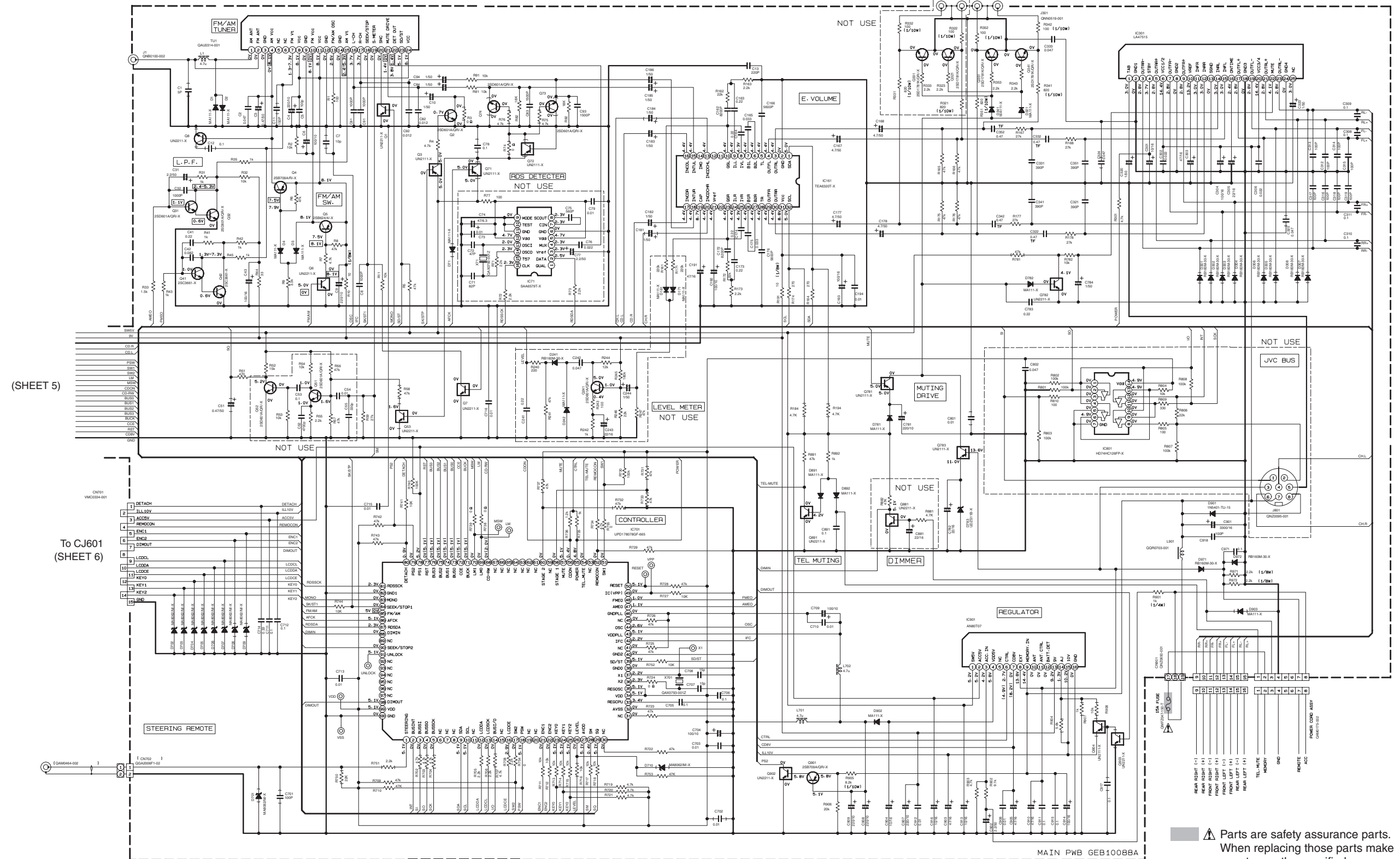
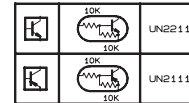
*REMARKS			
	MODEL	KD-G201E	KD-G202E
	LCD1	QLD0289-001	QLD0323-001
	D631-D635, D638-D643, D646-D651	SML-310VT/JK/-X	LNJ308G81/1-3/X
FM/AM & CD	D636, D637	SML-310VT/JK/-X	LNJ308G81/1-3/X
MODE & DISP	D644, D645	SML-310VT/JK/-X	LNJ308G81/1-3/X
	D652, D653	NSPW310BS/B2RS	NSPW310BS/BRS
POWER	R630	820	820
VOL	R631	470	470
SEL	R633	680	330
FM/AM & CD	R637	820	820
1, 2, 3	R639	330	330
4, 5, 6	R641	330	330
MODE & DISP	R643	470	430
>>I, I<<	R645	470	430
TP/PTY, EJECT	R647	470	430
UP, DOWN	R651	470	430


- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
 - UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W 15% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF(P+P)
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
T --- TANTAL CAPACITOR.
 - COMPONENTS IN () INDICATE NOT USE.

■ Main amplifier section (KD-G207)

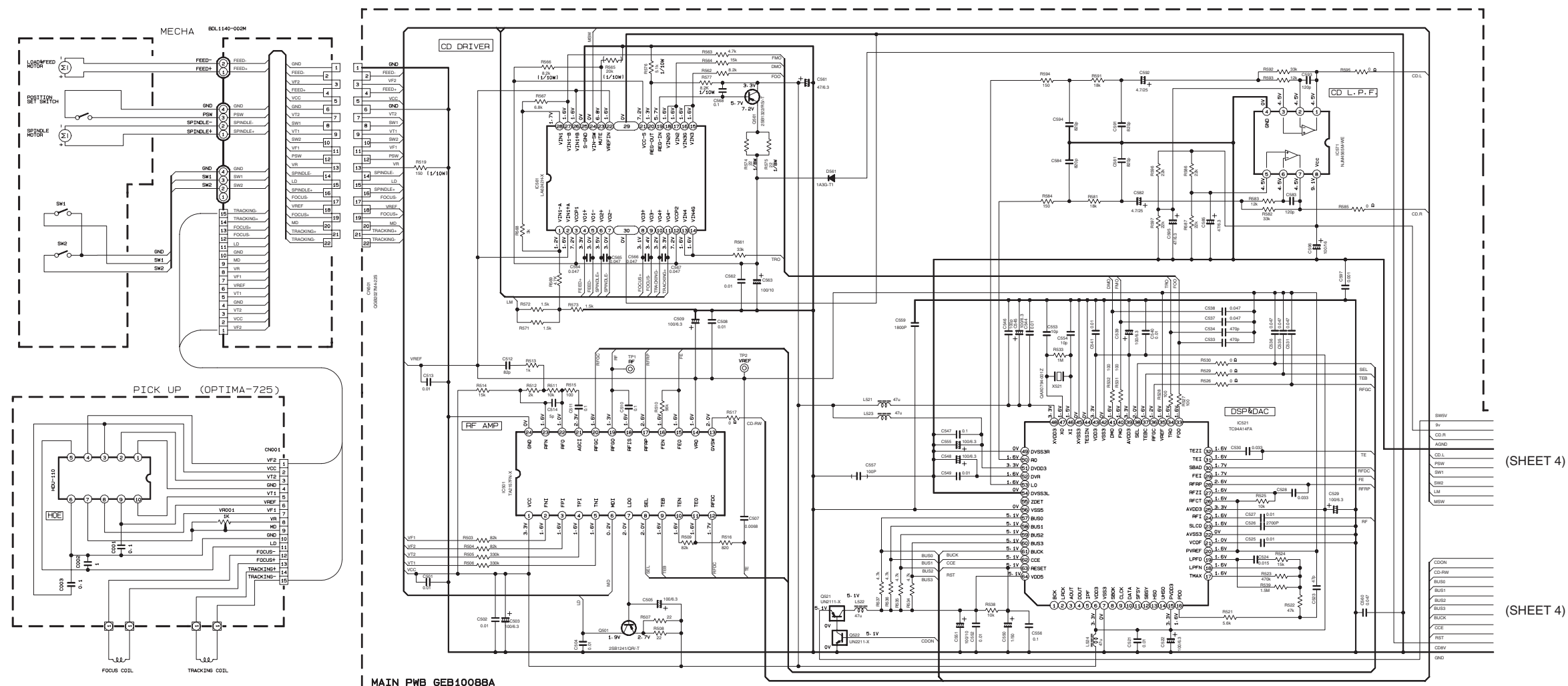
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION—FM MODE, ☐ AM MODE, () CD MODE.
2. UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS ARE 1/8WATT ± 5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN μF (uFpF)
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF)/RATED VOLTAGE(V)
TF — T.F. CAPACITOR
3. COMPONENTS IN () INDICATE NOT USE.



 Parts are safety assurance parts.
When replacing those parts make
sure to use the specified one.

■ **CD servo section (KD-G207)**



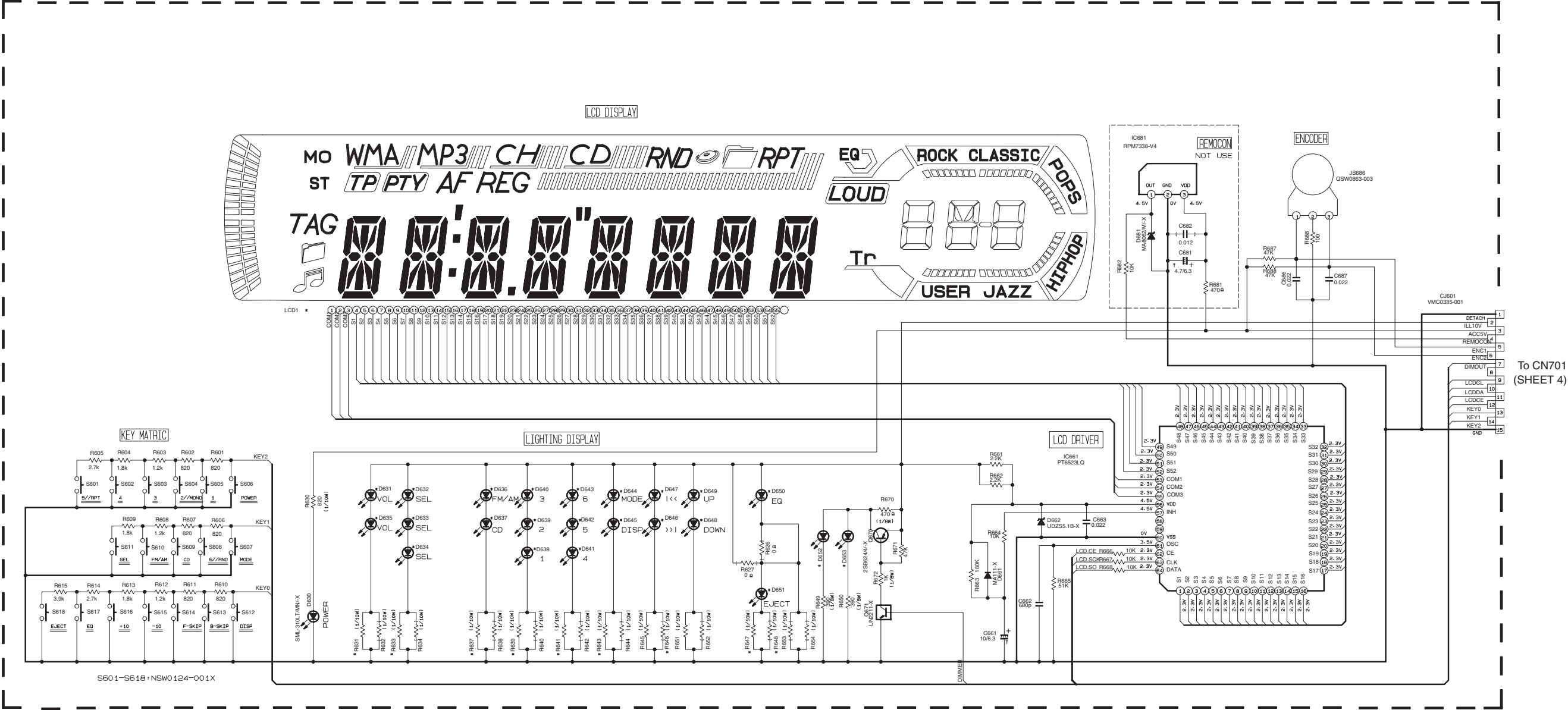
— (SHEET 4)

(SHEET 4)

NOTES

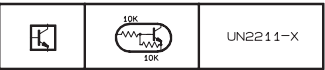
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION CD MODE.
2. UNLESS OTHERWISE SPECIFIED.
- ALL RESISTORS ARE $1/16W \pm 5\%$ METAL GLAZE RESISTOR.
- ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
- ALL RESISTANCE VALUES ARE IN OHM.
- ALL CAPACITANCE VALUES ARE IN μF (P=PF)
- ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V)

■ LCD & Key control section (KD-G207)



SW PWB: GEB10100A

*REMARKS		
MODEL	KD-G207EE	
LCD 1	QLD0323-001	
D631-D635, D638-D643, D646-D651	LNJ308G81/1-3/X	
D636, D637	LNJ308G81/1-3/X	
D644, D645	LNJ308G81/1-3/X	
D652, D653	NSPW310BS/BRS	
POWER	R630	820
VOL	R631	470
SEL	R633	330
FM/AM & CD	R637	820
1. 2. 3	R639	330
4. 5. 6	R641	330
MODE & DISP	R643	430
>> . <<	R645	430
EQ, EJECT	R647	430
UP, DOWN	R651	430

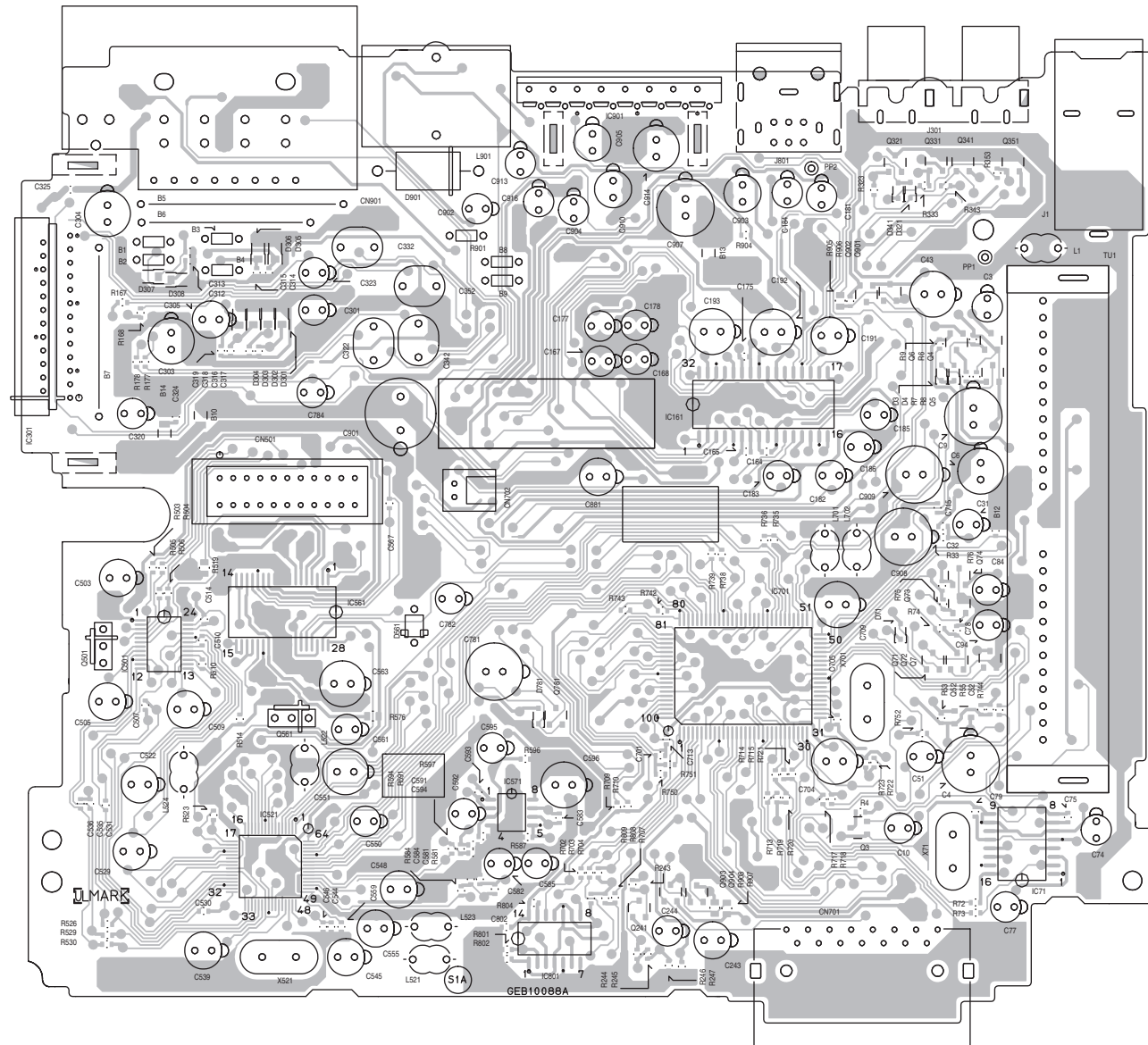


- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
 - UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/16W ±5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
ALL CAPACITANCE VALUES ARE IN uF(P=pF)
ALL E. CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
T --- TANTALUM CAPACITOR.
 - COMPONENTS IN () INDICATE NOT USE.

Printed circuit boards

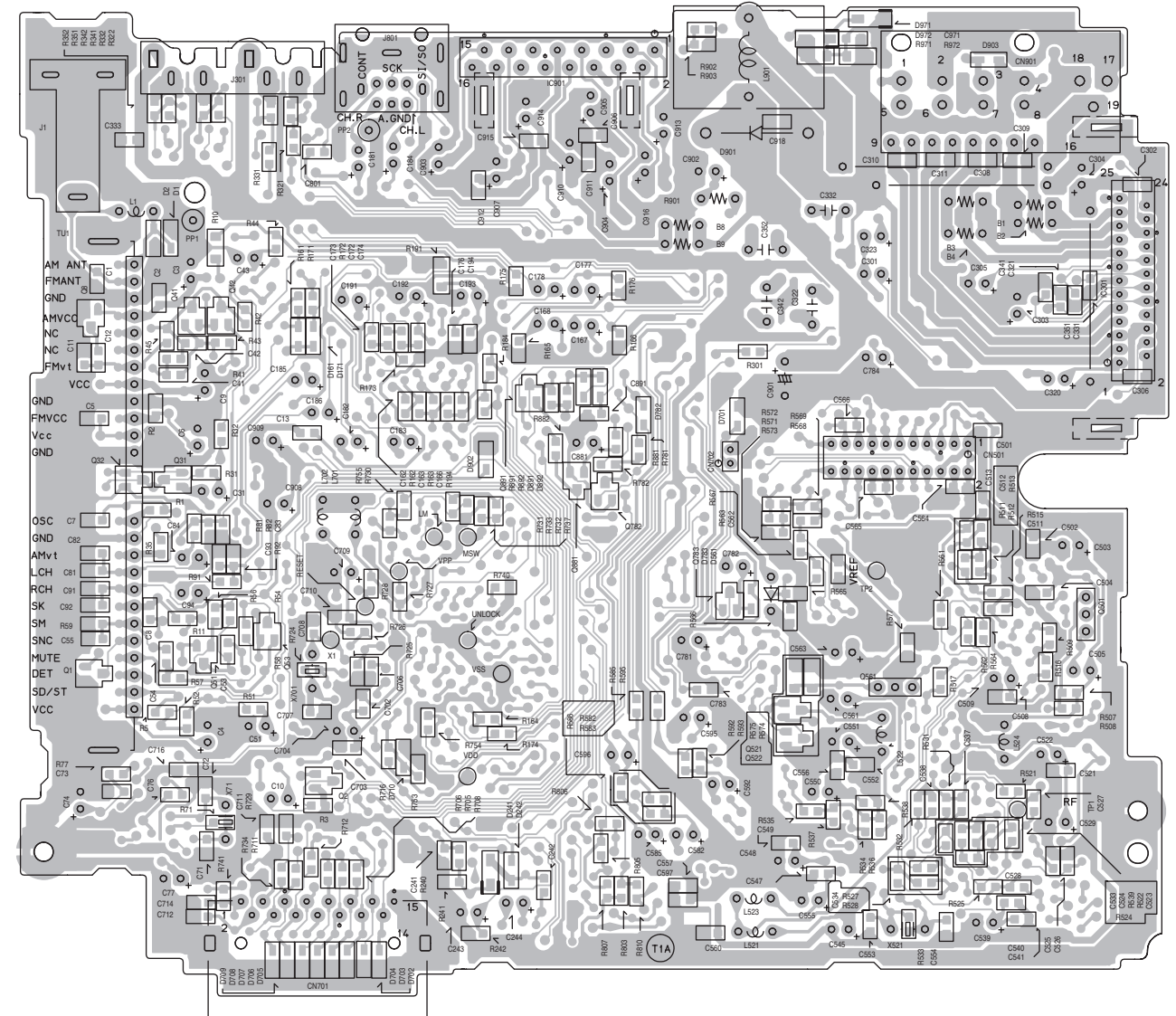
■ Main board

Forward side



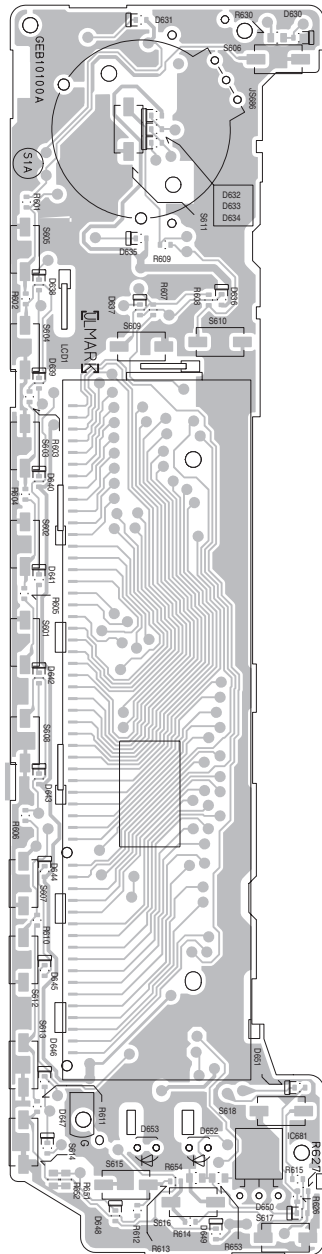
■ Main board

Reverse side

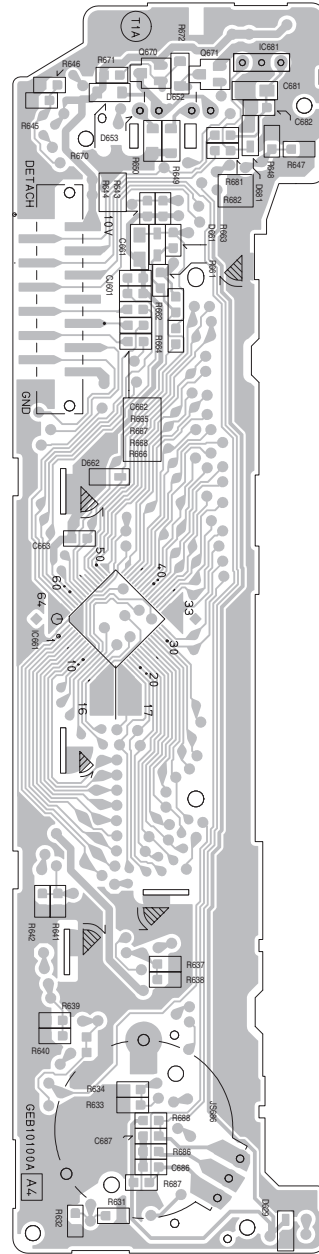


■ Front board

Forward side



Reverse side





VICTOR COMPANY OF JAPAN, LIMITED

AV & MULTIMEDIA COMPANY MOBILE ENTERTAINMENT CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MA039SCH)



Printed in Japan
WPC

PARTS LIST

[KD-G201]

[KD-G202]

[KD-G207]

* All printed circuit boards and its assemblies are not available as service parts.

KD-G201, KD-G202	
Area suffix	
E -----	Continental Europe
EX -----	Central Europe

KD-G207	
Area suffix	
EE-----	Russian Federation

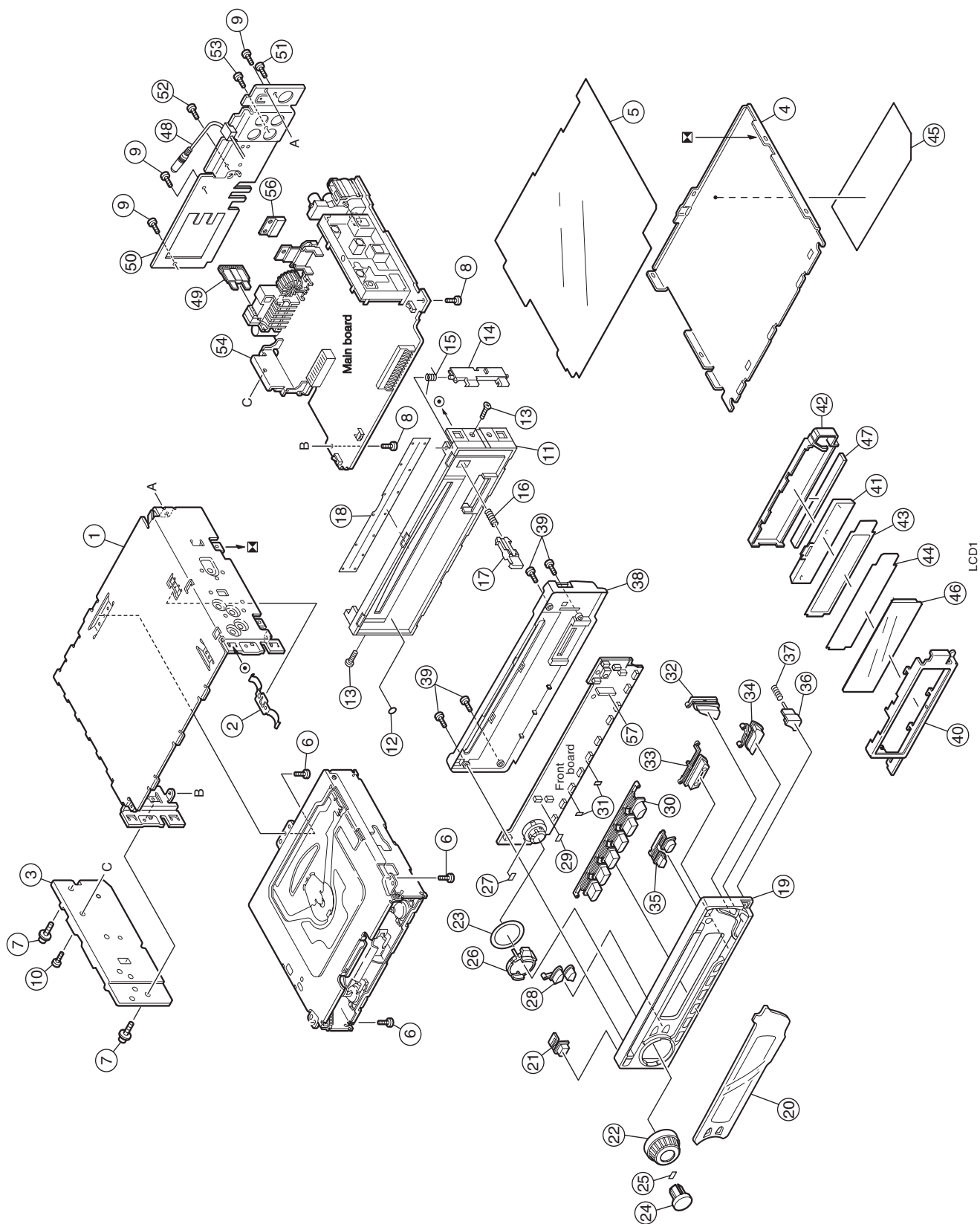
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Exploded view of general assmby and parts list

Block No.

M	1	M	M
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General assembly

Block No. [M][1][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
1	GE10043-210A	TOP CHASSIS		
2	GE40135-001A	EARTH PLATE		
3	GE30938-003A	SIDE PANEL		
4	GE30393-002A	BOTTOM COVER		
5	FSMA3004-203	INSULATOR		
6	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
7	FSKZ4005-001	SCREW	(x2)	
8	QYSDST2606Z	SCREW	2.6mm x 6mm(x2)	
9	QYSDST2604Z	SCREW	2.6mm x 4mm(x3)	
10	QYSDST2610Z	SCREW	2.6mm x 10mm	
11	GE10079-001A	FRONT CHASSIS		
12	FSYH4036-098	SHEET		
13	QYSDST2004M	MINI SCREW	2mm x 4mm(x2)	
14	GE31033-001A	LOCK LEVER		
15	FSKW4005-003	TORSION SPRING		
16	FSWK3002-015	COMPRESSION SPRING		
17	GE31034-001A	RLS KNOB		
18	GE40156-001A	BLIND		
19	GE10077-001A	FRONT PANEL		
20	GE31031-019A	FINDER ASSY		G201 E,G20 1EX
20	GE31031-020A	FINDER ASSY		G202 E,G20 2EX
20	GE31031-021A	FINDER ASSY		G207 EE
21	GE31027-001A	POWER BUTTON		
22	GE31038-001A	VOLUME KNOB		
23	GE40218-002A	SHEET		
24	GE31039-003A	SEL BUTTON		
25	FSYH4036-053	SHEET		
26	GE31040-001A	RIM LENS		
27	FSYH4036-069	SHEET		
28	GE31029-001A	D.FUNC BTN		
29	FSYH4036-069	SHEET		
30	GE20161-001A	PRESET BUTTON		
31	FSYH4036-069	SHEET	(x2)	
32	GE31024-002A	UP/DOWN BTN		
33	GE31028-001A	SSM BTN		G201 E,G20 1EX G202 E,G20
33	GE31028-003A	SSM BTN		2EX,G 207E E
34	GE31025-001A	SEARCH BTN		
35	GE31026-001A	EJECT BUTTON		
36	GE31032-002A	DETACH BTN		
37	GE40202-003A	COMPRESSION SPRING		
38	GE10078-001A	REAR COVER		
39	VKZ4777-001	MINI SCREW	(x4)	
40	GE31021-001A	LCD CASE		
41	GE31022-002A	LCD LENS		
42	GE31023-001A	LENS CASE		
43	GE40199-001A	LIGHTING SHEET		
44	GE40199-002A	LIGHTING SHEET		
45	GE31080-001A	NAME PLATE		G201 E,G20 1EX G202 E,G20
45	GE31083-001A	NAME PLATE		2EX G207 EE
45	GE31086-001A	NAME PLATE		G201 E,G20 1EX G202 E,G20
46	QLD0289-001	LCD MODULE		2EX,G 207E E
46	QLD0323-001	LCD MODULE		
47	QNZ0443-001	LCD CONNECTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
48	QAM0461-002	STEERING REMOTE		G201 E,G20 1EX,G 202E, G202 EX
△ 49	QMFZ047-150-T	FUSE	15A	
50	GE30912-007A	REAR BRACKET		
51	QYSDST2606Z	SCREW	2.6mm x 6mm	
52	QYSDST2606Z	SCREW	2.6mm x 6mm	
53	QYSDSF2606Z	SCREW	2.6mm x 6mm	
54	GE40172-004A	IC BRACKET		
56	GE40107-002A	HEAT SINK		
57	GE30854-001A	LED HOLDER		

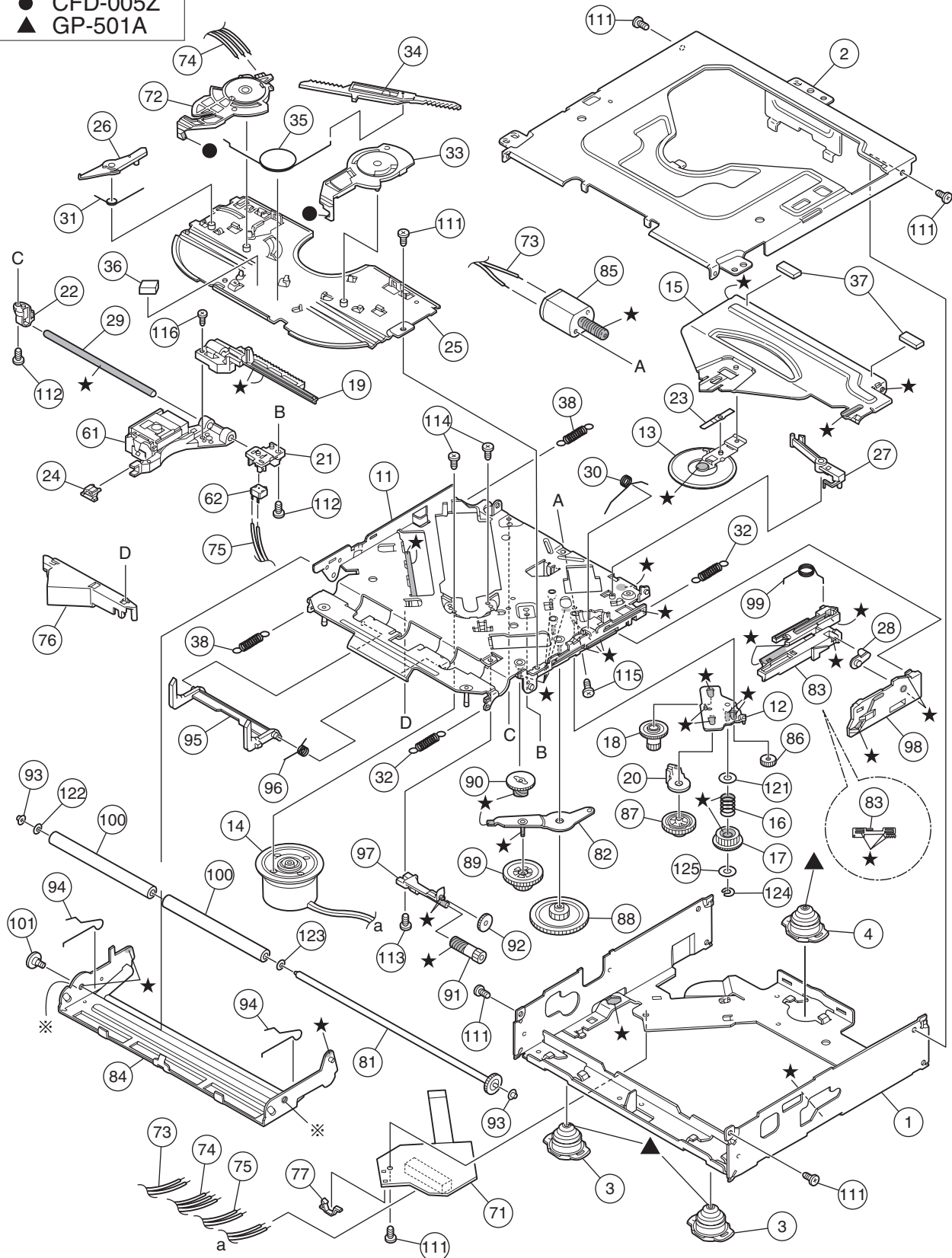
CD mechanism assembly and parts list

Block No. M B M M

TN-2001-1011

Grease

- ★ TNG-87
- ※ GP-501MK
- CFD-005Z
- ▲ GP-501A



CD mechanism

Block No. [M][B][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
1	30320101T	FRAME		
2	30320102T	TOP COVER		
3	30320115T	DANPER F		
4	30320116T	DANPER R		
11	303205505T	CHASSIS RIVET		
12	303205503T	CHANGE P. RVT A		
13	303205301T	CLAMPER ASS'Y		
14	303205302T	SPINDLE MOTOR A		
15	30320502T	CLAMPER ARM		
16	30320503T	CHANGE GEAR SPG		
17	30320505T	CHANGE GEAR 2		
18	30320506T	FEED GEAR		
19	30320507T	FEED RACK		
20	30320509T	CHANGE LOCK RAR		
21	30320510T	FEED SW HOLDER		
22	30320511T	PU SHAFT HOLDER		
23	30320513T	CLAMPER SUB SPG		
24	30320514T	FD SUB HOLDER		
25	30320518T	TOP PLATE		
26	30320519T	SELECT LOCK ARM		
27	30320520T	TRIGGER ARM		
28	30320521T	SLIDE HOOK		
29	30320522T	PU SHAFT		
30	30320525T	CLAMPER ARM SPG		
31	30320526T	SELECT L ARM SP		
32	30320538T	SUSPENSION SP R		
33	30320529T	SELECT ARM R		
34	30320530T	LINK PLATE		
35	30320531T	LINK PLATE SPG		
36	30320523T	CUSHION F		
37	30320524T	CUSHION R		
38	30320539T	SUSPENSION SP L		
61	69011614T	PICKUP OPT-725		
62	64180406T	DET SW ESE22		
71	303210301T	CONN PWB ASS'Y		
72	30321002T	MODE SW		
73	30321003T	LOAD MOTOR WIRE		
74	30321005T	MODE SW WIRE		
75	30321009T	SL WIRE		
76	30321011T	WIRE HOLDER		
77	19501403T	WIRE CLUMPER		
81	303211301T	ROLLER SHAFT AS		
82	303211501T	L GEAR PLATE RV		
83	303211302T	LOADING PLATE A		
84	303211502T	LOCK ARM RV ASS		
85	303211303T	L/F MOTOR ASS'Y		
86	30321101T	LOADING GEAR 1		
87	30321102T	LOADING GEAR 2		
88	30321103T	LOADING GEAR 3		
89	30321104T	LOADING GEAR 4		
90	30321105T	LOADING GEAR 5		
91	30321106T	LOADING GEAR 6		
92	30321107T	LOADING GEAR 7		
93	30321111T	ROLLER GUIDE		
94	30321114T	ROLLER GUIDE SP		
95	30321116T	DISC STOPPER AR		
96	30321117T	DISC ST ARM SPG		
97	30321118T	LD GEAR BRACKET		
98	30321125T	L SIDE PLATE		
99	30321131T	LOAD PLATE SPG		
100	30321133T	LDG ROLLER		
101	18211223T	COLLAR SCREW		
111	9P0420031T	SCREW		
112	9P0420041T	TAP.SCREW		
113	9B0320041T	SCREW		
114	9C0117183T	SCREW		
115	9C0120203T	SCREW		
116	9C0317503T	SCREW		
121	9W0130170T	PW 3.5X8X0.3		
122	9W0513060T	HL WASHER		
123	9W0710070T	L WASHER		
124	9E0100152T	E RING		
125	9W0113020T	PW 2.1X4X0.13		

Electrical parts list

Main board

Block No. [0][1][0][0]				
△ Symbol No.	Part No.	Part Name	Description	Local
IC71	SAA6579T-X	IC		G201 E,G20 1EX,G 202E, G202 EX
IC161	TEA6320T-X	IC		
IC301	LA47515	IC		
IC501	TA2157FN-X	RF AMP IC		
IC521	TC94A14FA	CD LSI IC		
IC561	LA6242H-X	BTL DRIVER IC		
IC571	NJM4565M-WE	IC		
IC701	UPD178078GF-664	IC		G201 E,G20 1EX,G 202E, G202 EX
IC701	UPD178078GF-665	IC		G207 EE
IC901	AN80T07	IC		
Q1	UN2211-X	TRANSISTOR		
Q2	2SD601A/QR/-X	TRANSISTOR		
Q3	UN2111-X	TRANSISTOR		
Q4	2SB709A/R/-X	TRANSISTOR		
Q5	2SB624/4/-X	TRANSISTOR		
Q6	UN2211-X	TRANSISTOR		
Q7	UN2211-X	TRANSISTOR		
Q31	2SD601A/QR/-X	TRANSISTOR		
Q32	2SD601A/QR/-X	TRANSISTOR		
Q41	2SC3661-X	TRANSISTOR		
Q42	2SC3661-X	TRANSISTOR		
Q51	2SD601A/QR/-X	TRANSISTOR		G201 E,G20 1EX,G 202E, G202 EX
Q52	2SD601A/QR/-X	TRANSISTOR		G201 E,G20 1EX,G 202E, G202 EX
Q53	UN2211-X	TRANSISTOR		G201 E,G20 1EX,G 202E, G202 EX
Q71	UN2111-X	TRANSISTOR		G201 E,G20 1EX,G 202E, G202 EX
Q73	2SD601A/QR/-X	TRANSISTOR		G201 E,G20 1EX,G 202E, G202 EX
Q74	2SD601A/QR/-X	TRANSISTOR		G201 E,G20 1EX,G 202E, G202 EX
Q341	2SD1781K/QR/-X	TRANSISTOR		
Q351	2SD1781K/QR/-X	TRANSISTOR		
Q501	2SB1241/QR/-T	TRANSISTOR		
Q521	UN2111-X	TRANSISTOR		
Q522	UN2211-X	TRANSISTOR		
Q561	2SB1322/RS/-T	TRANSISTOR		
Q781	UN2111-X	TRANSISTOR		
Q782	UN2211-X	TRANSISTOR		

△ Symbol No.	Part No.	Part Name	Description	Local
Q783	UN2111-X	TRANSISTOR		
Q891	UN2211-X	TRANSISTOR		
Q901	2SB709A/QR/-X	TRANSISTOR		
Q902	UN2211-X	TRANSISTOR		
D1	MA111-X	SI DIODE		
D2	MA111-X	SI DIODE		
D3	MA111-X	SI DIODE		
D4	MA111-X	SI DIODE		
D71	MA111-X	SI DIODE		G201 E,G20 1EX,G 202E, G202 EX
D321	MA111-X	SI DIODE		
D341	MA111-X	SI DIODE		
D561	1A3G-T1	SI DIODE		
D702	MA8062/M/-X	Z DIODE		
D703	MA8062/M/-X	Z DIODE		
D704	MA8062/M/-X	Z DIODE		
D705	MA8062/M/-X	Z DIODE		
D706	MA8062/M/-X	Z DIODE		
D707	MA8062/M/-X	Z DIODE		
D781	MA111-X	SI DIODE		
D782	MA111-X	SI DIODE		
D783	UDZS11B-X	Z DIODE		
D891	MA111-X	SI DIODE		
D892	MA111-X	SI DIODE		
D901	1N5401-TU-15	DIODE		
D902	MA111-X	SI DIODE		
D971	RB160M-30-X	SB DIODE		
D972	RB160M-30-X	SB DIODE		
C2	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
C3	QEKJ1HM-474Z	E CAPACITOR	0.47uF 50V M	
C4	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C5	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C8	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M	
C10	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C13	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C31	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	
C32	NCS31HJ-102X	C CAPACITOR	1000pF 50V J	
C41	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	G201 E,G20 1EX,G 202E, G202 EX
C41	NCB21CK-224X	C CAPACITOR	0.22uF 16V K	G207 EE
C42	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	G201 E,G20 1EX,G 202E, G202 EX
C42	NCB31EK-823X	C CAPACITOR	0.082uF 25V K	G207 EE
C43	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C51	QEKJ1HM-474Z	E CAPACITOR	0.47uF 50V M	G201 E,G20 1EX,G 202E, G202 EX
C52	NCB31EK-472X	C CAPACITOR	4700pF 25V K	G201 E,G20 1EX,G 202E, G202 EX
C53	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	G201 E,G20 1EX,G 202E, G202 EX

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C54	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	G201 E,G20 1EX,G 202E, G202 EX	C176	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C55	NDC31HJ-331X	C CAPACITOR	330pF 50V J	G201 E,G20 1EX,G 202E, G202 EX	C177	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C71	NDC31HJ-820X	C CAPACITOR	82pF 50V J	G201 E,G20 1EX,G 202E, G202 EX	C178	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	
C72	NDC31HJ-470X	C CAPACITOR	47pF 50V J	G201 E,G20 1EX,G 202E, G202 EX	C182	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C73	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C183	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C74	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M	G201 E,G20 1EX,G 202E, G202 EX	C185	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C75	NDC31HJ-561X	C CAPACITOR	560pF 50V J	G201 E,G20 1EX,G 202E, G202 EX	C186	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	
C76	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	G201 E,G20 1EX,G 202E, G202 EX	C191	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C77	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M	G201 E,G20 1EX,G 202E, G202 EX	C192	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M	
C78	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	G201 E,G20 1EX,G 202E, G202 EX	C193	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C79	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	G201 E,G20 1EX,G 202E, G202 EX	C194	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C81	NCB31HK-102X	C CAPACITOR	1000pF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C301	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M	
C82	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	G201 E,G20 1EX,G 202E, G202 EX	C302	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C83	NCB31HK-152X	C CAPACITOR	1500pF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C303	QERF1CM-476Z	E CAPACITOR	47uF 16V M	
C84	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	G201 E,G20 1EX,G 202E, G202 EX	C304	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M	
C91	NCB31HK-102X	C CAPACITOR	1000pF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C305	QERF1CM-226Z	E CAPACITOR	22uF 16V M	
C92	NCB31EK-123X	C CAPACITOR	0.012uF 25V K	G201 E,G20 1EX,G 202E, G202 EX	C306	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C93	NCB31HK-152X	C CAPACITOR	1500pF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C308	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C94	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M	G201 E,G20 1EX,G 202E, G202 EX	C309	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C162	NCB31HK-822X	C CAPACITOR	8200pF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C310	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C163	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	G201 E,G20 1EX,G 202E, G202 EX	C311	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C164	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	G201 E,G20 1EX,G 202E, G202 EX	C312	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C165	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	G201 E,G20 1EX,G 202E, G202 EX	C313	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C166	NCB31HK-562X	C CAPACITOR	5600pF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C314	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C167	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	G201 E,G20 1EX,G 202E, G202 EX	C315	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C168	QEKJ1HM-475Z	E CAPACITOR	4.7uF 50V M	G201 E,G20 1EX,G 202E, G202 EX	C316	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C172	NCB31HK-822X	C CAPACITOR	8200pF 50V K	G201 E,G20 1EX,G 202E, G202 EX	C317	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C173	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	G201 E,G20 1EX,G 202E, G202 EX	C318	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C174	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	G201 E,G20 1EX,G 202E, G202 EX	C319	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C175	NCB31CK-333X	C CAPACITOR	0.033uF 16V K	G201 E,G20 1EX,G 202E, G202 EX	C320	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
					C321	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
					C322	QFVD1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
					C323	QERF1HM-105Z	E CAPACITOR	1uF 50V M	
					C331	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
					C332	QFVD1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
					C333	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
					C341	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
					C342	QFVD1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
					C351	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
					C352	QFVD1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
					C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C503	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
					C504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C505	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
					C507	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
					C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C509	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
					C510	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
					C511	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
					C512	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
					C513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C514	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
					C521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C522	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
					C523	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
					C524	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
					C525	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C526	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
					C527	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C528	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
					C529	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
					C530	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
					C531	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
					C533	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
					C534	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
					C535	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
					C536	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
					C537	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
					C538	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
					C539	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
					C540	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C541	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C544	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
					C545	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
					C546	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
					C547	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
					C548	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
C549	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R31	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C550	QEKJ1HM-105Z	E CAPACITOR	1uF 50V M		R32	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
C551	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M		R33	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
C552	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R35	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C553	NDC31HJ-100X	C CAPACITOR	10pF 50V J						G201
C554	NDC31HJ-100X	C CAPACITOR	10pF 50V J						E,G20
C555	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M		R41	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	1EX,G
C556	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						202E,
C559	NCB31HK-182X	C CAPACITOR	1800pF 50V K						G202
C560	NCB31EK-473X	C CAPACITOR	0.047uF 25V K						EX
C561	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M		R41	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	G207
C562	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R42	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	EE
C563	QEDJ1AM-107Z	E CAPACITOR	100uF 10V M		R43	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C564	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R44	NRSA02J-330X	MG RESISTOR	33Ω 1/10W J	
C565	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R45	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
C566	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R51	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
C567	NCB31EK-473X	C CAPACITOR	0.047uF 25V K		R52	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
C568	NCB31EK-223X	C CAPACITOR	0.022uF 25V K						G201
C581	NCS31HJ-821X	C CAPACITOR	820pF 50V J						E,G20
C582	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M		R53	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	1EX,G
C583	NDC31HJ-121X	C CAPACITOR	120pF 50V J						202E,
C584	NCS31HJ-821X	C CAPACITOR	820pF 50V J						G202
C585	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M						EX
C591	NCS31HJ-821X	C CAPACITOR	820pF 50V J						G201
C592	QEKJ1EM-475Z	E CAPACITOR	4.7uF 25V M						E,G20
C593	NDC31HJ-121X	C CAPACITOR	120pF 50V J		R54	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	1EX,G
C594	NCS31HJ-821X	C CAPACITOR	820pF 50V J						202E,
C595	QEKJ0JM-476Z	E CAPACITOR	47uF 6.3V M						G202
C596	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M						EX
C597	NCS31HJ-102X	C CAPACITOR	1000pF 50V J						G201
C703	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		R55	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	E,G20
C704	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M						1EX,G
C705	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						202E,
C706	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						G202
C707	NDC31HJ-150X	C CAPACITOR	15pF 50V J						EX
C708	NDC31HJ-150X	C CAPACITOR	15pF 50V J		R56	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	G201
C709	QEKJ1AM-107Z	E CAPACITOR	100uF 10V M						E,G20
C710	NCB31EK-103X	C CAPACITOR	0.01uF 25V K						1EX,G
C711	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						202E,
C712	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						G202
C713	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						EX
C714	NCB31AK-334X	C CAPACITOR	0.33uF 10V K		R57	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	G201
C715	NCB31EK-103X	C CAPACITOR	0.01uF 25V K						E,G20
C716	NCB31EK-103X	C CAPACITOR	0.01uF 25V K						1EX,G
C781	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M						202E,
C782	QEKJ1CM-226Z	E CAPACITOR	22uF 16V M						G202
C783	NCB31CK-224X	C CAPACITOR	0.22uF 16V K		R58	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	EX
C784	QERF1HM-105Z	E CAPACITOR	1uF 50V M						G201
C891	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						E,G20
C901	QEZ0625-338	E CAPACITOR	3300uF		R59	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	1EX,G
C902	QEKJ1HM-225Z	E CAPACITOR	2.2uF 50V M						202E,
C903	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M						G202
C904	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M						EX
C905	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		R71	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G201
C906	NCB31EK-103X	C CAPACITOR	0.01uF 25V K						E,G20
C907	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M						1EX,G
C908	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M						202E,
C909	QEKJ1AM-227Z	E CAPACITOR	220uF 10V M						G202
C910	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M		R72	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	EX
C911	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						G201
C912	NCB31HK-103X	C CAPACITOR	0.01uF 50V K						E,G20
C913	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M						1EX,G
C914	QEKJ1CM-107Z	E CAPACITOR	100uF 16V M						202E,
C915	NCB31EK-104X	C CAPACITOR	0.1uF 25V K		R73	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G202
C916	QEKJ1CM-106Z	E CAPACITOR	10uF 16V M						EX
C918	NDC31HJ-101X	C CAPACITOR	100pF 50V J						G201
C971	NCB31EK-104X	C CAPACITOR	0.1uF 25V K						E,G20
R1	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J						1EX,G
R2	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R74	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	202E,
R4	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						G202
R5	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						EX
R6	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						G201
R7	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						E,G20
R8	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J						1EX,G
R9	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J		R75	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	202E,
R10	NRS181J-100X	MG RESISTOR	10Ω 1/8W J						G202
R11	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						EX

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
R76	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	G201 E,G20 1EX,G 202E, G202 EX G201 E,G20 1EX,G 202E, G202 EX	R568	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	G201 E,G20 1EX,G 202E, G202 EX
R77	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J		R569	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R81	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R571	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R82	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R572	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R91	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R573	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R92	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J		R574	NRS181J-220X	MG RESISTOR	22Ω 1/8W J	
R162	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R575	NRS181J-220X	MG RESISTOR	22Ω 1/8W J	
R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R576	NRSA02J-512X	MG RESISTOR	5.1kΩ 1/10W J	
R164	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R577	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J	
R165	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R581	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R166	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R582	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R167	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R583	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R168	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R584	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R172	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J		R585	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R173	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R586	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R174	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J		R587	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R175	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R591	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R176	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R592	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R177	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R593	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R178	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J		R594	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R191	NRS181J-100X	MG RESISTOR	10Ω 1/8W J		R595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R301	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R596	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R341	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J		R597	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R342	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J		R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R343	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R706	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R351	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J		R708	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R352	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J		R709	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R353	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J		R710	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R503	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R711	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R504	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R505	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R506	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J		R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R507	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J		R715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R508	NRSA02J-220X	MG RESISTOR	22Ω 1/10W J		R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R509	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J		R718	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R510	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J		R719	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R720	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R512	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J		R721	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J		R722	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R514	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R723	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R516	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J		R725	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R726	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R519	NRSA02J-151X	MG RESISTOR	150Ω 1/10W J		R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R521	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J		R728	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R522	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J		R729	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R523	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J		R730	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R524	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R525	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J		R735	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R736	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R527	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R738	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R528	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R529	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R740	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R530	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J		R741	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R531	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R742	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R532	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J		R743	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R533	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J		R744	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R534	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R535	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R750	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	G201 E,G20 1EX,G 202E, G202 EX G201 E,G20 1EX,G 202E, G202 EX
R536	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J						
R537	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R751	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	G201 E,G20 1EX,G 202E, G202 EX
R538	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J						
R539	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J		R752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	G201 E,G20 1EX,G 202E, G202 EX
R561	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J		R753	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R562	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J		R754	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	G201 E,G20 1EX,G 202E, G202 EX
R563	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J		R755	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R564	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J		R782	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	G201 E,G20 1EX,G 202E, G202 EX
R566	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J		R882	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R567	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		R891	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	G201 E,G20 1EX,G 202E, G202 EX
					R892	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
					R901	QRE142J-102X	C RESISTOR	1kΩ 1/4W J	G201 E,G20 1EX,G 202E, G202 EX
					R902	NRSA02J-912X	MG RESISTOR	9.1kΩ 1/10W J	

△ Symbol No.	Part No.	Part Name	Description	Local
R903	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W J	
R905	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J	
R906	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J	
R971	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
R972	NRS181J-222X	MG RESISTOR	2.2kΩ 1/8W J	
L1	QQL244J-4R7Z	INDUCTIOR	4.7uH J	
L521	QQL244J-470Z	COIL	47uH J	
L522	QQL244J-470Z	COIL	47uH J	
L523	QQL244J-470Z	COIL	47uH J	
L524	QQL244J-470Z	COIL	47uH J	
L701	QQL244K-4R7Z	COIL	4.7uH K	
L702	QQL244K-4R7Z	COIL	4.7uH K	
L901	QQR0703-001	CHOKE COIL		
CN501	QGB2027M4-22S	CONNECTOR	B-B (1-22)	
CN701	VMC0334-001	CONNECTOR		
CN702	QGA2006F1-02	CONNECTOR	W-B (1-2)	G201 E,G20 1EX,G 202E, G202 EX
CN901	QNZ0650-001	CAR CONNECTOR		
J1	QNB0100-002	CAR ANT JACK		
J301	QNN0519-001	SURROUND JACK		
PP1	QZW0010-001	STYLE PIN		G201 E,G20 1EX,G 202E, G202 EX
PP2	QZW0010-001	STYLE PIN		G201 E,G20 1EX,G 202E, G202 EX
TU1	QAU0313-001	TUNER		G201 E,G20 1EX,G 202E, G202 EX
TU1	QAU0314-001	TUNER		G207 EE
X71	QAX0792-001Z	CRYSTAL		G201 E,G20 1EX,G 202E, G202 EX
X521	QAX0794-001Z	CRYSTAL		
X701	QAX0793-001Z	CRYSTAL		

Front board

Block No. [0][2][0][0]

△ Symbol No.	Part No.	Part Name	Description	Local
IC661	PT6523LQ	IC		
Q670	2SB624/4/-X	TRANSISTOR		
Q671	UN2211-X	TRANSISTOR		
D630	SML-310LT/MN/-X	LED		
D631	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D631	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D632	SML-310VT/JK/-X	LED		G201 E,G20 1EX

△ Symbol No.	Part No.	Part Name	Description	Local
D632	LNJ308G81/1-3/X	LED		G202 E,G20 2EX,G 207E E
D633	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D633	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D634	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D634	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D635	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D635	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D636	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D636	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D637	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D637	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D638	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D638	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D639	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D639	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D640	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D640	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D641	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D641	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D642	SML-310VT/JK/-X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E
D642	LNJ308G81/1-3/X	LED		G201 E,G20 1EX G202 E,G20 2EX,G 207E E

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
D643	SML-310VT/JK/-X	LED		G201 E,G01 EX	D653	NSPW310BS/BRS/	LED		G202 E,G20 2EX,G 207E E
D643	LNJ308G81/1-3/X	LED		G202 E,G20 2EX,G 207E E	D661	MA111-X	SI DIODE		
D644	SML-310VT/JK/-X	LED		G201 E,G20 1EX	D662	UDZS5.1B-X	Z DIODE		
D644	LNJ308G81/1-3/X	LED		G202 E,G20 2EX,G 207E E	C661	NBE20JM-106X	TA E CAPACITOR	10uF 6.3V M	
D645	SML-310VT/JK/-X	LED		G202 E,G20 2EX,G 207E E	C662	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
D645	LNJ308G81/1-3/X	LED		G201 E,G20 1EX	C663	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
D646	SML-310VT/JK/-X	LED		G202 E,G20 2EX,G 207E E	C686	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
D646	LNJ308G81/1-3/X	LED		G201 E,G20 1EX	C687	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
D647	SML-310VT/JK/-X	LED		G202 E,G20 2EX,G 207E E	R601	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
D647	LNJ308G81/1-3/X	LED		G201 E,G20 1EX	R602	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
D648	SML-310VT/JK/-X	LED		G202 E,G20 2EX,G 207E E	R603	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
D648	LNJ308G81/1-3/X	LED		G201 E,G20 1EX	R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
D649	SML-310VT/JK/-X	LED		G202 E,G20 2EX,G 207E E	R605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
D649	LNJ308G81/1-3/X	LED		G201 E,G20 1EX	R606	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
D650	SML-310VT/JK/-X	LED		G202 E,G20 2EX,G 207E E	R607	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
D650	LNJ308G81/1-3/X	LED		G201 E,G20 1EX	R608	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
D651	SML-310VT/JK/-X	LED		G202 E,G20 2EX,G 207E E	R609	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
D651	LNJ308G81/1-3/X	LED		G201 E,G20 1EX	R610	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
D652	NSPW310BS/B2RS/	LED		G202 E,G20 2EX,G 207E E	R611	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
D652	NSPW310BS/BRS/	LED		G201 E,G20 1EX	R612	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
D653	NSPW310BS/B2RS/	LED		G202 E,G20 2EX,G 207E E	R613	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
				G201 E,G20 1EX	R614	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
				G202 E,G20 2EX,G 207E E	R615	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
				G201 E,G20 1EX	R630	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
				G202 E,G20 2EX,G 207E E	R631	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	
				G201 E,G20 1EX	R633	NRSA02J-681X	MG RESISTOR	680Ω 1/10W J	G201 E,G20 1EX
				G202 E,G20 2EX,G 207E E	R633	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	G202 E,G20 2EX,G 207E E
				G201 E,G20 1EX	R637	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J	
				G202 E,G20 2EX,G 207E E	R639	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
				G201 E,G20 1EX	R641	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J	
				G202 E,G20 2EX,G 207E E	R643	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	G201 E,G20 1EX
				G201 E,G20 1EX	R643	NRSA02J-431X	MG RESISTOR	430Ω 1/10W J	G202 E,G20 2EX,G 207E E
				G202 E,G20 2EX,G 207E E	R645	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	G201 E,G20 1EX
				G201 E,G20 1EX	R645	NRSA02J-431X	MG RESISTOR	430Ω 1/10W J	G202 E,G20 2EX,G 207E E
				G202 E,G20 2EX,G 207E E	R647	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	G201 E,G20 1EX
				G201 E,G20 1EX	R647	NRSA02J-431X	MG RESISTOR	430Ω 1/10W J	G202 E,G20 2EX,G 207E E
				G202 E,G20 2EX,G 207E E	R649	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
				G201 E,G20 1EX	R650	NRS181J-391X	MG RESISTOR	390Ω 1/8W J	
				G202 E,G20 2EX,G 207E E	R651	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J	G201 E,G20 1EX
				G201 E,G20 1EX	R651	NRSA02J-431X	MG RESISTOR	430Ω 1/10W J	G202 E,G20 2EX,G 207E E
				G202 E,G20 2EX,G 207E E	R661	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
				G201 E,G20 1EX	R662	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
				G202 E,G20 2EX,G 207E E	R663	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
				G201 E,G20 1EX	R664	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
				G202 E,G20 2EX,G 207E E	R665	NRSA63J-513X	MG RESISTOR	51kΩ 1/16W J	
				G201 E,G20 1EX	R666	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

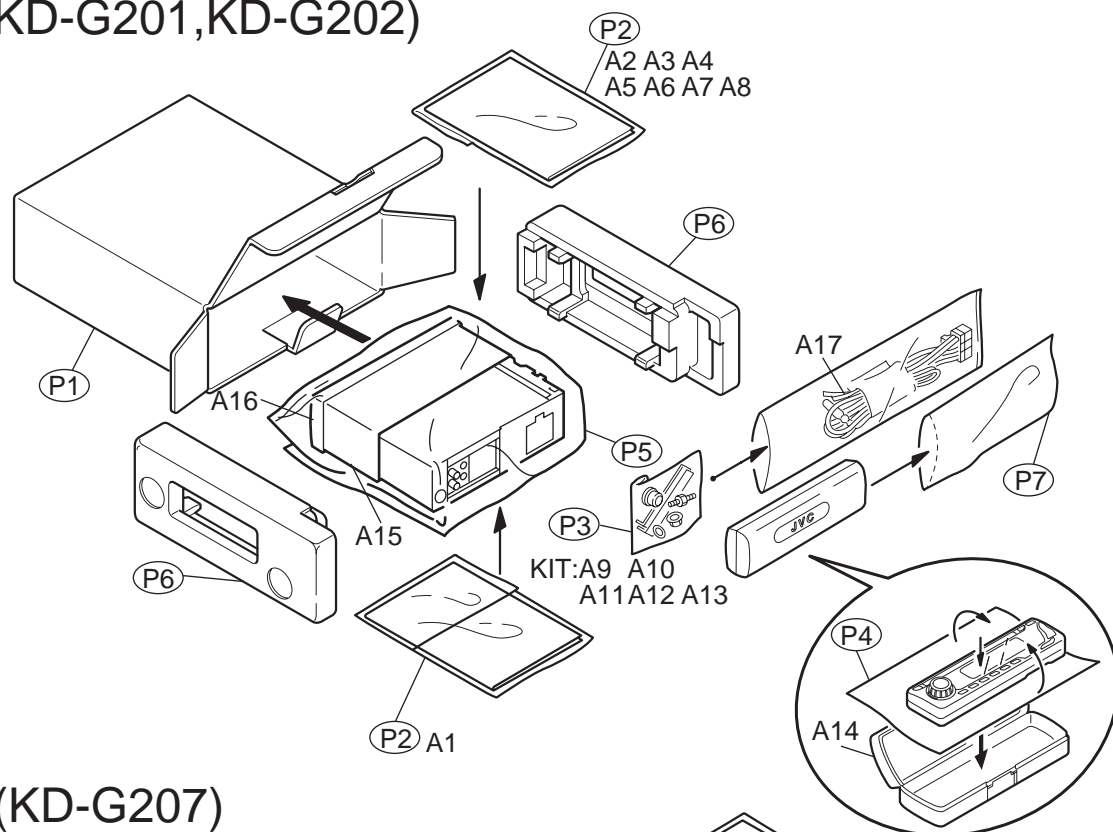
△ Symbol No.	Part No.	Part Name	Description	Local
R667	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R668	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R670	NRS181J-471X	MG RESISTOR	470Ω 1/8W J	
R671	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R672	NRS181J-102X	MG RESISTOR	1kΩ 1/8W J	
R686	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R687	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R688	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
CJ601	VMC0335-001	PANEL CONNECTOR		
JS686	QSW0863-003	ROTARY ENCODER		
S601	NSW0124-001X	TACT SW		
S602	NSW0124-001X	TACT SW		
S603	NSW0124-001X	TACT SW		
S604	NSW0124-001X	TACT SW		
S605	NSW0124-001X	TACT SW		
S606	NSW0124-001X	TACT SW		
S607	NSW0124-001X	TACT SW		
S608	NSW0124-001X	TACT SW		
S609	NSW0124-001X	TACT SW		
S610	NSW0124-001X	TACT SW		
S611	NSW0124-001X	TACT SW		
S612	NSW0124-001X	TACT SW		
S613	NSW0124-001X	TACT SW		
S614	NSW0124-001X	TACT SW		
S615	NSW0124-001X	TACT SW		
S616	NSW0124-001X	TACT SW		
S617	NSW0124-001X	TACT SW		
S618	NSW0124-001X	TACT SW		

<MEMO>

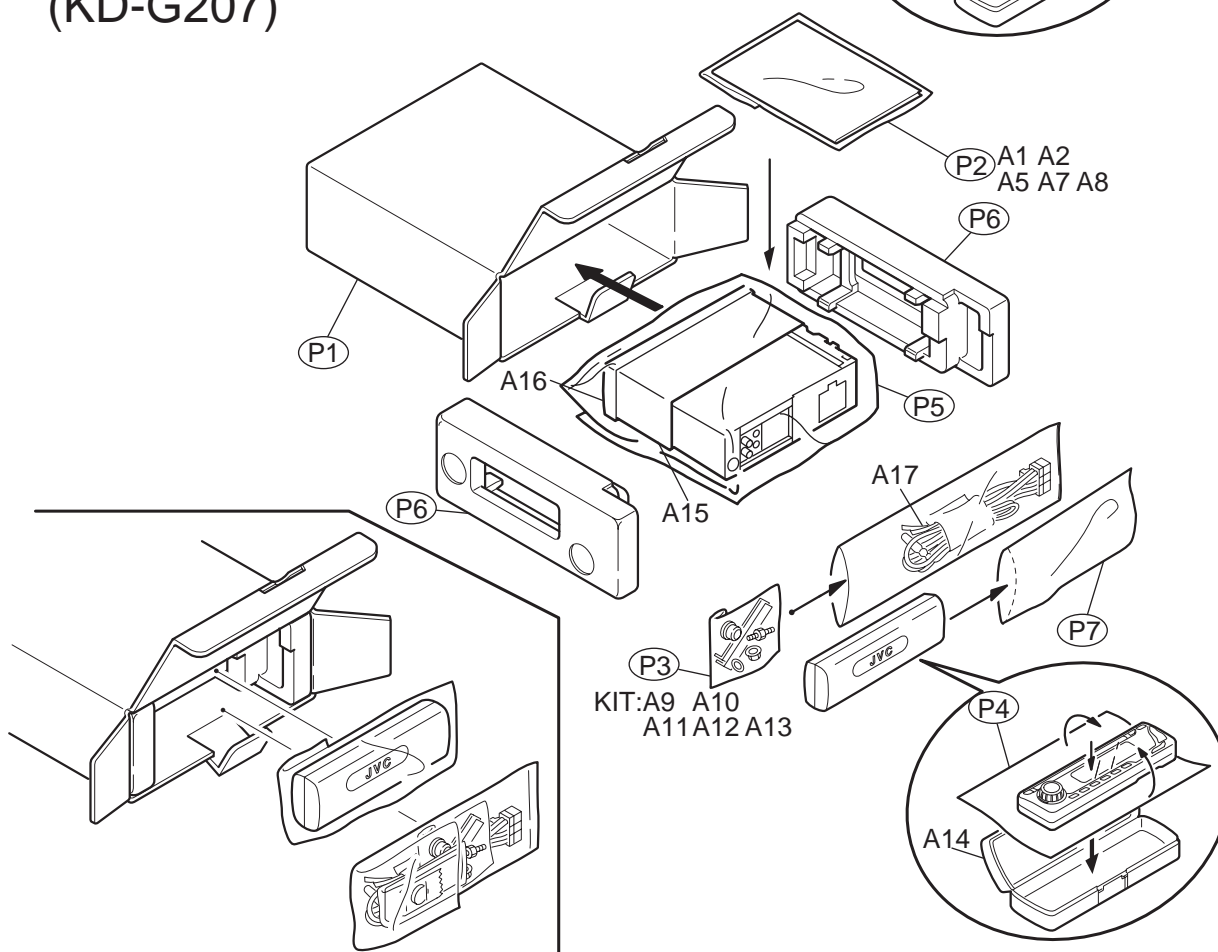
Packing materials and accessories parts list

(KD-G201,KD-G202)

Block No. M 3 M M



(KD-G207)



Packing and accessories

Block No. [M][3][M][M]

△ Symbol No.	Part No.	Part Name	Description	Local
A 1	GET0184-001A	INSTALL MANUAL	ENG GER FRE DUT	G201 E,G20 1EX,G 202E, G202 EX
A 1	GET0179-001A	INST BOOK	ENG RUS	G207 EE
A 2	GET0184-002A	INST SHEET	SPA ITA POL RUS	G201 E,G20 2E
A 2	GET0184-003A	INST SHEET	SWE DAN FIN GRE	G201 EX,G2 02EX
A 2	GET0179-002A	INSTALL MANUAL		G207 EE
A 3	GET0184-005A	INSTALL MANUAL		G201 E,G20 1EX,G 202E, G202 EX
A 4	GET0184-006A	INSTALL MANUAL		G201 E,G20 2E
A 4	GET0184-007A	INSTALL MANUAL		G201 EX,G2 02EX
A 5	BT-54013-7	WARRANTY CARD		
A 6	VND3050-002	IDENTITY CARD		G201 E,G20 1EX,G 202E, G202 EX
A 7	VND3046-001	SERIAL TICKET		
A 8	GET0208-002A	DEMO MODE SHEET		G201 EX,G2 02EX
A 8	GET0208-001A	DEMO MODE SHT		G201 E,G20 2E,G2 07EE
A 9	VKZ4027-202	PLUG NUT		
A 10	VKH4871-001SS	MOUNT BOLT		
A 11	VKZ4328-001	LOCK NUT		
A 12	WNS5000Z	WASHER		
A 13	GE40130-002A	HOOK	(x2)	
A 14	FSJB3002-00C	HARD CASE		
A 15	GE20137-003A	MOUNTING SLEEVE		
A 16	GE20135-004A	TRIM PLATE		
△ A 17	QAM0175-002	POWER CORD		
KIT	SRW-200J	SCREW PARTS KIT	A9 A10 A11 A12 A13	
P 1	GE31081-001A	CARTON		G201 E,G20 1EX
P 1	GE31084-001A	CARTON		G202 E,G20 2EX
P 1	GE31087-002A	CARTON		G207 EE
P 2	FSPG4002-001	POLY BAG	(x2)	G201 E,G20 1EX,G 202E, G202 EX
P 2	FSPG4002-001	POLY BAG		G207 EE
P 3	QPA00801205	POLY BAG	8cm x 12cm	
P 4	FSYH4036-068	SHEET		
P 5	QPC03004315P	POLY BAG	30cm x 43cm	
P 6	GE10070-002A	EPS CUSHION		
P 7	QPA01003003	POLY BAG	10cm x 30cm	



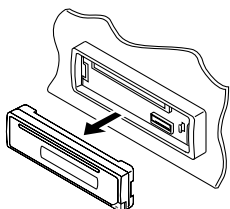
CD RECEIVER CD-RECEIVER RECEPTEUR CD CD-RECEIVER

KD-G202/KD-G201

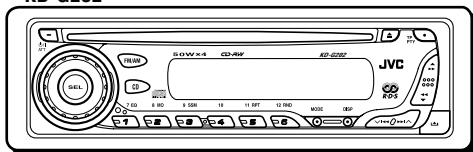


CD-RW

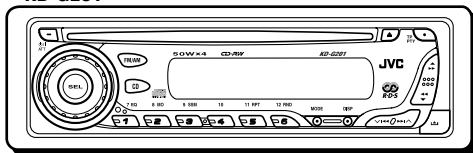
**COMPACT
disc
DIGITAL AUDIO**



KD-G202



KD-G201



- This unit is equipped with the display demonstration. To cancel it, see page 6.
- Dieses Gerät ist mit einer Demonstrationsfunktion für das Display ausgestattet. Auf Seite 6 wird beschrieben, wie Sie diese Demonstrationsfunktion deaktivieren können.
- Cet appareil est équipé d'une fonction de démonstration des affichages. Pour l'annuler, référez-vous à la page 6.
- Dit toestel heeft een display-demonstratiefunctie. Zie bladzijde 6 voor het annuleren van deze functie.

For installation and connections, refer to the separate manual.

Für den Einbau und die Anschlüsse siehe das eigenständige Handbuch.

Pour l'installation et les raccordements, se référer au manuel séparé.

Bijzonderheden over de installatie en aansluiting van het apparaat vindt u in de desbetreffende handleiding.

INSTRUCTIONS BEDIENUNGSANLEITUNG MANUEL D'INSTRUCTIONS GEBRUIKSAANWIJZING

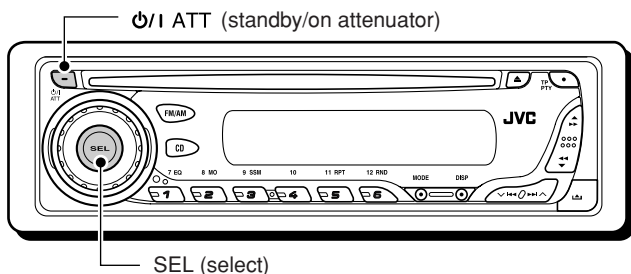
IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering for strålingen. (d)	VARNING : Synlig og usynlig laserstråling når den åbnes og spærren er urkøbtet. Betrakta strålen. (s)	VARO : Avaruussäädä ja suojakukitus ohjeellutua tai viallisena olettäätinä näkyvällä ja näkymättömällä lasersträällyle. Vältä säätien kohdistumista suoraan itseesi. (f)
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How to reset your unit

While holding SEL (select), press **⏻/I ATT** (standby/on attenuator) for more than 2 seconds. This will reset the built-in microcomputer.



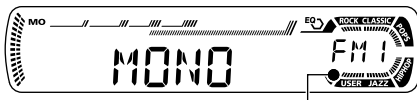
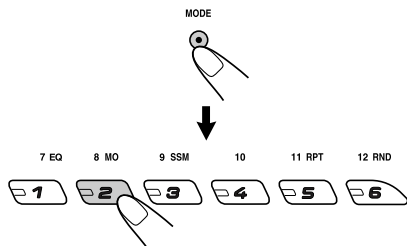
Notes:

- Your preset adjustments—such as preset channels or sound adjustments—will also be erased.
- If a CD is in the unit, it will eject when you reset the unit. Be careful not to drop the CD.

How to use the MODE button

If you press MODE, the unit goes into functions mode, then the number buttons work as different function buttons.

Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

CONTENTS

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How to use the MODE button	2	Playing a CD	19
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Canceling the display demonstration	6	Selecting preset sound modes (C-EQ: custom equalizer)	22
Setting the clock	7	Adjusting the sound	23
RADIO OPERATIONS	8	OTHER MAIN FUNCTIONS	24
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Storing stations in memory	10	Detaching the control panel	26
Tuning in to a preset station	11	TROUBLESHOOTING	27
RDS OPERATIONS	12	MAINTENANCE	28
What you can do with RDS	12	Handling discs	28
Other convenient RDS functions and adjustments	17	SPECIFICATIONS	29

KD-G202 and KD-G201 are equipped with the steering wheel remote control function.

If your car is equipped with the steering wheel remote controller, you can operate the unit using the controller.

- See the Installation/Connection Manual (separate volume) for connection to utilize this function.

Note:

For security reasons, a numbered ID card is provided with this unit, and the same ID number is imprinted on the unit's chassis. Keep the card in a safe place, as it will help the authorities to identify your unit if stolen.

BEFORE USE

*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

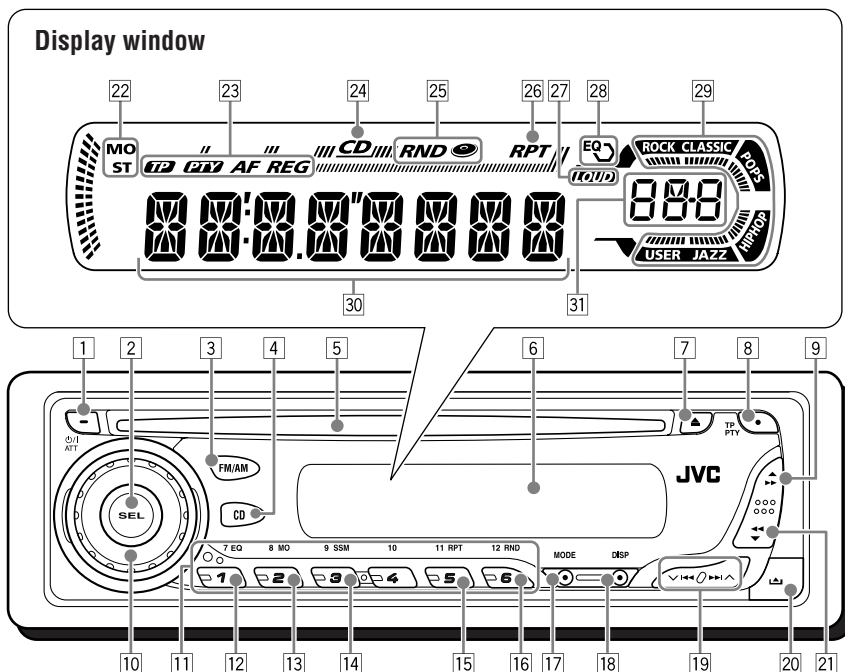
*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



LOCATION OF THE BUTTONS

Control panel

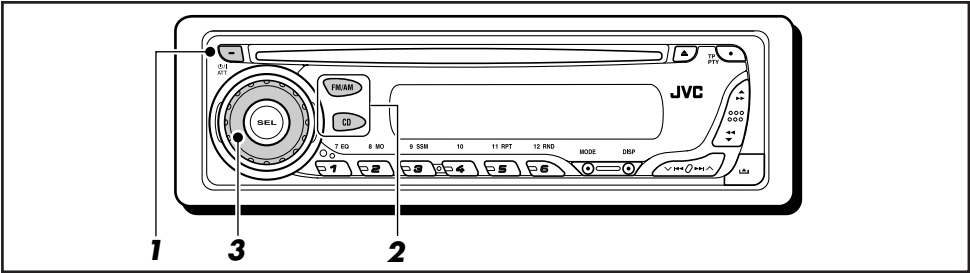


- 1 **⏻** ATT (standby/on attenuator) button
- 2 SEL (select) button
- 3 FM/AM button
- 4 CD button
- 5 Loading slot
- 6 Display window
- 7 **⏏** (eject) button
- 8 TP PTY (traffic programme/programme type) button
- 9 **⬆** (up) button
- 10 **⏮** (fast-forward) button
- 11 Control dial
- 12 Number buttons
- 13 EQ (equalizer) button
- 14 MO (monaural) button
- 15 SSM (Strong-station Sequential Memory) button
- 16 RPT (repeat) button
- 17 RND (random) button
- 18 MODE button
- 19 DISP (display) button
- 20 **⏮** **⏭** **⏩** **⏪** buttons

- 20 **⏮** (control panel release) button
- 21 **⏩** (down) button
- 22 **⏮** (reverse) button

Display window

- 22 Tuner reception indicators
MO (monaural), ST (stereo)
- 23 RDS indicators
TP, PTY, AF, REG
- 24 CD indicator
- 25 RND (random disc) indicator
- 26 RPT (repeat) indicator
- 27 LOUD (loudness) indicator
- 28 EQ (equalizer) indicator
- 29 Sound mode (C-EQ: custom equalizer) indicators
ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
- 30 Main display
- 31 Source display
Volume level indicator



Turning on the power

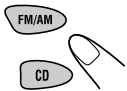
1 Turn on the power.



Note on One-Touch Operation:

When you select a source in step **2** below, the power automatically comes on. You do not have to press this button to turn on the power.

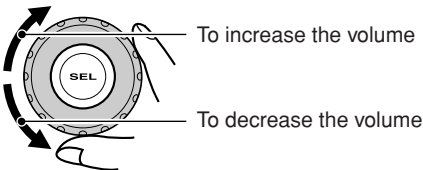
2 Select the source.



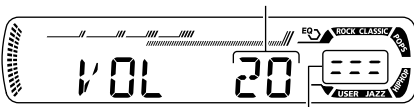
To operate the tuner (FM or AM),
see pages 8 – 18.

To play a CD,
see pages 19 – 21.

3 Adjust the volume.



Volume level appears.



Volume level indicator

4 Adjust the sound as you want. (See pages 22 and 23.)

To drop the volume in a moment

Press **PWR/ATT** briefly while listening to any source. “ATT” starts flashing on the display, and the volume level will drop in a moment.

To resume the previous volume level, press the button briefly again.

- If you turn the control dial, you can also restore the sound.

To turn off the power

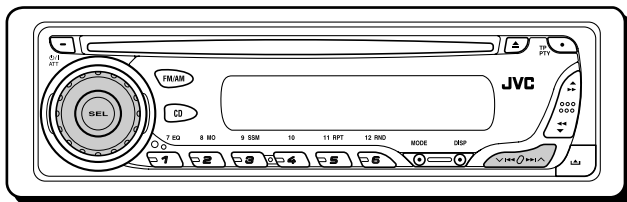
Press and hold **PWR/ATT** for more than one second.

“SEE YOU” appears, then the unit turns off.

- **If you turn off the power while listening to a CD,** CD play will start from where playback has been stopped previously, next time you turn on the power.

CAUTION on Volume Setting:

CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a CD and adjust it as required during playback.



Canceling the display demonstration

When shipped from the factory, display demonstration has been activated, and starts automatically when no operations are done for about 20 seconds.

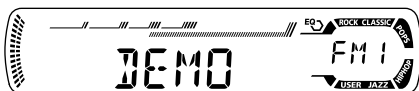
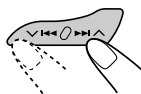
- It is recommended to cancel the display demonstration before you use the unit for the first time.

To cancel the display demonstration, follow the procedure below:

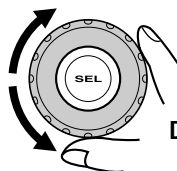
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.** (PSM: see pages 24 and 25.)



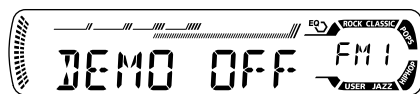
- 2 Select "DEMO" if not shown on the display.**



- 3 Select "DEMO OFF."**



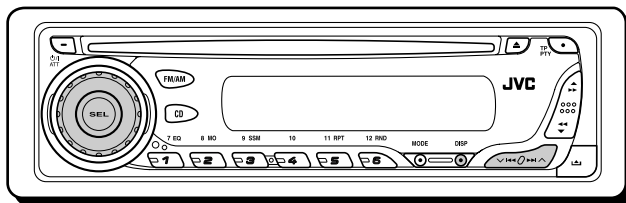
DEMO OFF ↔ DEMO ON



- 4 Finish the setting.**



To activate the display demonstration, repeat the same procedure and select "DEMO ON" in step 3.



Setting the clock

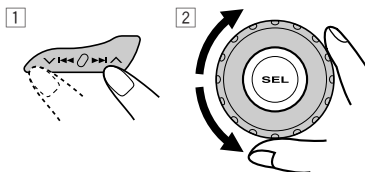
You can also set the clock system to either 24 hours or 12 hours.

- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 24 and 25.)



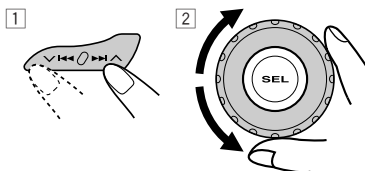
- 2** Set the hour.

- 1 Select "CLOCK H" (hour) if not shown on the display.
- 2 Adjust the hour.



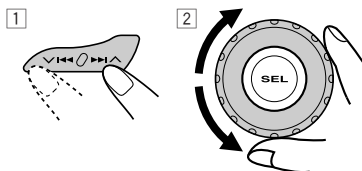
- 3** Set the minute.

- 1 Select "CLOCK M" (minute).
- 2 Adjust the minute.



- 4** Set the clock system.

- 1 Select "24H/12H."
- 2 Select "24H" or "12H."



- 5** Finish the setting.



To check the current clock time or change the display mode

DISP



Press DISP (display) repeatedly. Each time you press the button, the display changes as follows:

- During AM and FM non-RDS station operation:

Frequency ↔ Clock

- During FM RDS Station operation:

Station name → Station frequency
Clock ← Programme type

- During CD operation:

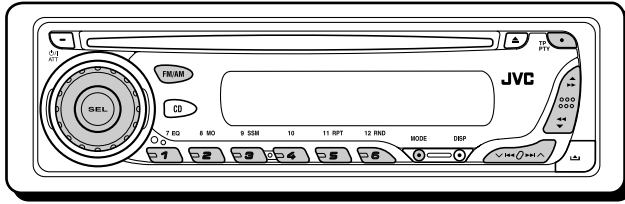
Elapsed playing time ↔ Clock

- During power off:

The power turns on and the clock time is shown for 5 seconds, then the power turns off.



RADIO OPERATIONS



Listening to the radio

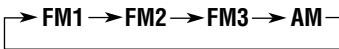
You can use either automatic searching or manual searching to tune in to a particular station.

Searching for a station automatically: Auto search

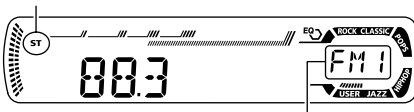
1 Select the band (FM1 – 3, AM).



Each time you press the button, the band changes as follows:



Lights up when receiving an FM stereo broadcast with sufficient signal strength.



Selected band appears.

Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Start searching for a station.



To search for stations of higher frequencies

To search for stations of lower frequencies

When a station is received, searching stops.

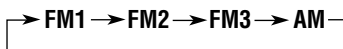
To stop searching before a station is received, press the same button you have pressed for searching.

Searching for a station manually: Manual search

1 Select the band (FM1 – 3, AM).



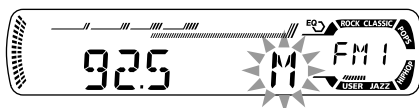
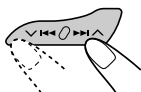
Each time you press the button, the band changes as follows:



Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Press and hold ►►► ▲ or ▼ ◄◄◄ until “M” (manual) starts flashing on the display.



3 Tune in to a station you want while “M” (manual) is still flashing.



To tune in to stations of higher frequencies

To tune in to stations of lower frequencies

- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9 kHz for AM—MW/LW) until you release the button.

When an FM stereo broadcast is hard to receive

MODE



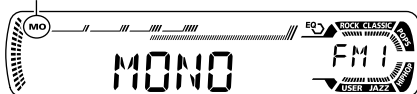
- 1 Press MODE to enter the functions mode while listening to an FM stereo broadcast.

8 MO



- 2 Press MO (monaural), while “MODE” is still flashing on the display, so that “MONO” appears on the display. Each time you press the button, monaural mode turns on and off alternately.

MO (monaural) indicator



When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved.



Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

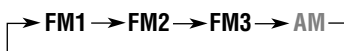
FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2, and FM3).

- Select the FM band (FM1 – 3) you want to store FM stations into.**



Each time you press the button, the band changes as follows:



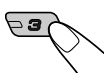
- Press MODE to enter the functions mode.**

MODE



- Press and hold SSM for about 2 seconds.**

9 SSM



“SSM” flashes, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2, or FM3). These stations are preset in the number buttons—No.1 (lowest frequency) to No.6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

Manual preset

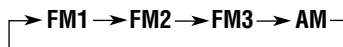
You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

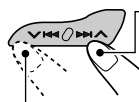
- Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).**



Each time you press the button, the band changes as follows:

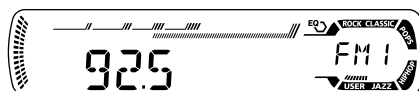


- Tune in to a station (in this example, of 92.5 MHz).**

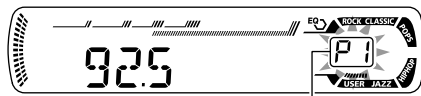
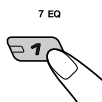


To tune in to stations of higher frequencies

To tune in to stations of lower frequencies



- 3** Press and hold the number button (in this example, 1) for more than 2 seconds.



Preset number flashes for a while.

- 4** Repeat the above procedure to store other stations into other preset numbers.

Notes:

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on pages 10 and 11.

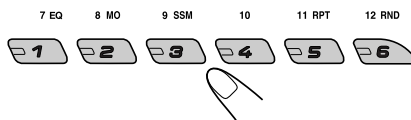
- 1** Select the band (FM1 – 3, AM).



Each time you press the button, the band changes as follows:

→ FM1 → FM2 → FM3 → AM →

- 2** Select the number (1 – 6) for the preset station you want.



Note:

You can also use the ▲ (up) or ▼ (down) button on the unit to select the next or previous preset stations. Each time you press the ▲ (up) or ▼ (down) button, the next or previous preset station is tuned in.



RDS OPERATIONS

What you can do with RDS

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals. For example, the stations send their station names, as well as information about what type of programme they broadcast, such as sports or music, etc.

Another advantage of RDS function is called "Enhanced Other Networks." By using the Enhanced Other Networks data sent from a station, you can tune in to a different station of a different network broadcasting your favorite programme or traffic announcement while listening to another programme or to another source such as CD.

By receiving the RDS data, this unit can do the following:

- Tracing the same programme automatically (Network-Tracking Reception)
- Standby Reception of TA (Traffic Announcement) or your favorite programme
- PTY (Programme Type) search
- Programme search
- And some other functions

Tracing the same programme automatically (Network-Tracking Reception)

When driving in an area where FM reception is not good, the tuner built in this unit automatically tunes in to another RDS station, broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See the illustration on page 18.)

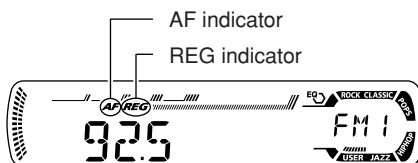
Two types of the RDS data are used to make Network-Tracking Reception work correctly —PI (Programme Identification) and AF (Alternative Frequency).

Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.

To use Network-Tracking Reception

You can select the different modes of network-tracking reception to continue listening to the same programme in its finest reception. When shipped from the factory, "AF" is selected.

- **AF:** Network-Tracking Reception is activated with Regionalization set to "off."
With this setting, the unit switches to another station within the same network when the received signals from the current station become weak. (In this mode, the programme may differ from the one currently received.)
The AF indicator lights up but the REG indicator does not.
- **AF REG:** Network-Tracking Reception is activated with Regionalization set to "on."
With this setting, the unit switches to another station, within the same network, broadcasting the same programme when the received signals from the current station become weak.
Both the AF indicator and the REG indicator light up.
- **OFF:** Network-Tracking Reception is deactivated.
Neither the AF indicator nor the REG indicator lights up.





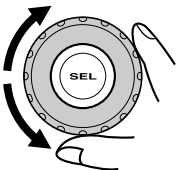
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (PSM: see pages 24 and 25.)**



- 2 Select “AF-REG” (alternative frequency/regionalization reception) if not shown on the display.**



- 3 Select the desired mode—“AF,” “AF REG,” or “OFF.”**



- 4 Finish the setting.**



Using TA Standby Reception

TA Standby Reception allows the unit to switch temporarily to Traffic Announcement (TA) from the current source (another FM station or CD).

- *TA Standby Reception will not work if you are listening to an AM station.*

Press TP PTY to activate TA Standby Reception.



- **When the current source is FM**, the TP indicator either lights up or flashes.

- If the TP indicator lights up, TA Standby Reception is activated.

If a station starts broadcasting a traffic announcement, “TRAFFIC” appears on the display, and this unit automatically tunes in to the station. The volume changes to the preset TA volume level (see page 17) and the traffic announcement can be heard.

- If the TP indicator flashes, TA Standby Reception is not yet activated since the station being received does not provide the signals used for TA Standby Reception. To activate TA Standby Reception, you need to tune in to another station providing these signals. Press ►►, ▲ or ▼, ◀◀ to search for such a station.

When a station providing these signals is tuned in, the TP indicator stops flashing and remains lit. Now TA Standby Reception is activated.

- **When the current source is other than FM**, the TP indicator lights up.

If a station starts broadcasting a traffic announcement, “TRAFFIC” appears on the display, and this unit automatically changes the source and tunes in to the station.

To deactivate the TA Standby Reception, press TP PTY again. The TP indicator disappears.



Using PTY Standby Reception

PTY Standby Reception allows the unit to switch temporarily to your favorite programme (PTY: Programme Type) from the current source (another FM station or CD).

- *PTY Standby Reception will not work if you are listening to an AM station.*

You can select your favorite programme type for PTY Standby Reception.

When shipped from the factory, PTY Standby Reception is turned off. ("OFF" is selected for PTY Standby Reception.)

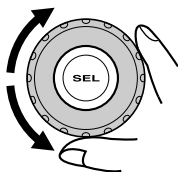
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.** (PSM: see pages 24 and 25.)



- 2 Select "PTY STBY" (standby) if not shown on the display.**

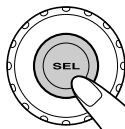


- 3 Select one of the twenty-nine PTY codes. (See page 18.)**



Selected code name appears on the display and is stored into memory.

- 4 Finish the setting.**



- **When the current source is FM**, the PTY indicator either lights up or flashes.

- If the PTY indicator lights up, PTY Standby Reception is activated.

If a station starts broadcasting the selected PTY programme, this unit automatically tunes in to the station.

- If the PTY indicator flashes, PTY Standby Reception is not yet activated since the station being received does not provide the signals used for PTY Standby Reception. To activate PTY Standby Reception, you need to tune in to another station providing these signals. Press **▶▶|** **▲** or **▼** **◀◀** to search for such a station.

When a station providing these signals is tuned in, the PTY indicator stops flashing and remains lit. Now PTY Standby Reception is activated.

- **When the current source is other than FM**, the PTY indicator lights up.

If a station starts broadcasting the selected PTY programme, this unit automatically changes the source and tunes in to the station.

To deactivate the PTY Standby Reception, select "OFF" in step **3** on the left column. The PTY indicator disappears.



Searching your favorite programme

You can search any one of the PTY codes. In addition, you can store your 6 favorite programme types in the number buttons. When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

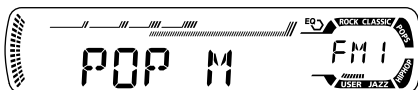
To store your favorite programme types, see below.

To search your favorite programme type, see page 16.

1	2	3
POP M	ROCK M	EASY M
4	5	6
CLASSICS	AFFAIRS	VARIED

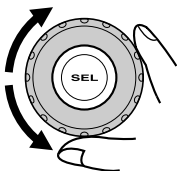
To store your favorite programme types

- 1 Press and hold TP PTY for more than 2 seconds while listening to an FM station.



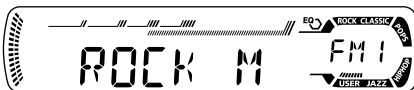
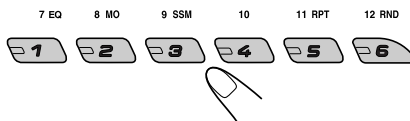
The last selected PTY code appears.

- 2 Select one of the twenty-nine PTY codes. (See page 18.)



Selected code name appears on the display.

- 3 Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want.



Selected PTY code and "MEMORY" appear alternately for a while.



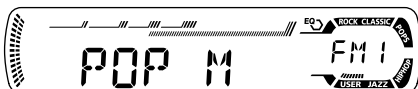
- 4 Press and hold TP PTY for more than 2 seconds to exit from this mode.





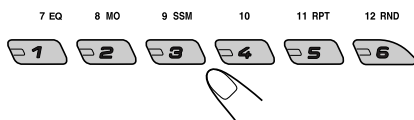
To search your favorite programme type

- 1 Press and hold TP PTY for more than 2 seconds while listening to an FM station.



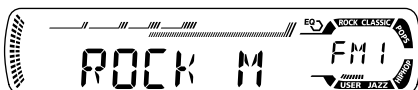
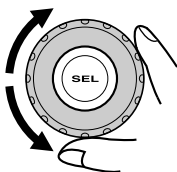
The last selected PTY code appears.

- 2 To select one of your favorite programme type



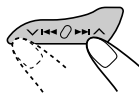
or

To select any one of the twenty-nine PTY codes.



Ex.: When "ROCK M" is selected

- 3 Press ►►| ^ or ▼ |◄◄ to start PTY search for your favorite programme.



- If there is a station broadcasting a programme of the same PTY code as you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code as you selected, the station will not change.

Note:

In some areas, the PTY search will not work correctly.



Other convenient RDS functions and adjustments

Automatic selection of the station when using the number buttons

Usually when you press the number button, the preset station is tuned in.

However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit, using the AF data, tunes in to another frequency broadcasting the same programme as the original preset station is broadcasting. (Programme search)

- The unit takes some time to tune in to another station using programme search.

To activate programme search, follow the procedure below.

- See also "Changing the general settings (PSM)" on page 24.

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2 Press ►►| ▲ or ▼ |◄◄ to select "P(Programme)-SEARCH."
- 3 Turn the control dial clockwise to select "ON."
Now programme search is activated.
- 4 Press SEL (select) to finish the setting.

To cancel programme search, repeat the same procedure and select "OFF" in step 3 by turning the control dial counterclockwise.

Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

- See also "Changing the general settings (PSM)" on page 24.

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2 Press ►►| ▲ or ▼ |◄◄ to select "TA VOL" (volume).
- 3 Turn the control dial to set to the desired volume.
You can set it from "VOL 00" to "VOL 30" or "VOL 50" (depending on the amplifier gain control setting: see page 25).
- 4 Press SEL (select) to finish the setting.

Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjusted automatically using the CT (Clock Time) data in the RDS signal.

If you do not want to use automatic clock adjustment, follow the procedure below.

- See also "Changing the general settings (PSM)" on page 24.

- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
- 2 Press ►►| ▲ or ▼ |◄◄ to select "AUTO ADJ" (adjustment).
- 3 Turn the control dial counterclockwise to select "OFF."
Now automatic clock adjustment is canceled.
- 4 Press SEL (select) to finish the setting.

To reactivate clock adjustment, repeat the same procedure and select "ON" in step 3 by turning the control dial clockwise.

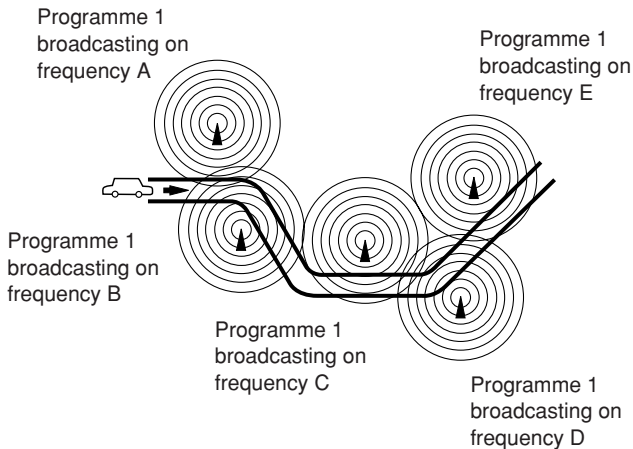
Note:

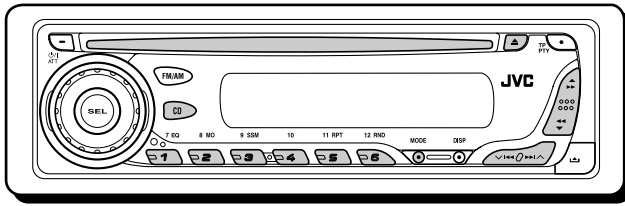
You must stay tuned to the same station for more than 2 minutes after setting "AUTO ADJ" to "ON." Otherwise, the clock time will not be adjusted. (This is because the unit takes up to 2 minutes to capture the CT data in the RDS signal.)

**PTY codes**

NEWS:	News	SOCIAL:	Programmes on social activities
AFFAIRS:	Topical programmes expanding on current news or affairs	RELIGION:	Programmes dealing with any aspect of belief or faith, or the nature of existence or ethics
INFO:	Programmes which impart advice on a wide variety of topics	PHONE IN:	Programmes where people can express their views either by phone or in a public forum
SPORT:	Sport events	TRAVEL:	Programmes about travel destinations, package tours, and travel ideas and opportunities
EDUCATE:	Educational programmes	LEISURE:	Programmes concerned with recreational activities such as gardening, cooking, fishing, etc.
DRAMA:	Radio plays	JAZZ:	Jazz music
CULTURE:	Programmes on national or regional culture	COUNTRY:	Country music
SCIENCE:	Programmes on natural science and technology	NATION M:	Current popular music from another nation or region, in that country's language
VARIED:	Other programmes like comedies or ceremonies	OLDIES:	Classic pop music
POP M:	Pop music	FOLK M:	Folk music
ROCK M:	Rock music	DOCUMENT:	Programmes dealing with factual matters, presented in an investigative style
EASY M:	Easy-listening music		
LIGHT M:	Light music		
CLASSICS:	Classical music		
OTHER M:	Other music		
WEATHER:	Weather information		
FINANCE:	Reports on commerce, trading, the Stock Market, etc.		
CHILDREN:	Entertainment programmes for children		

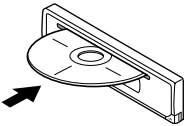
The same programme can be received on different frequencies.





Playing a CD

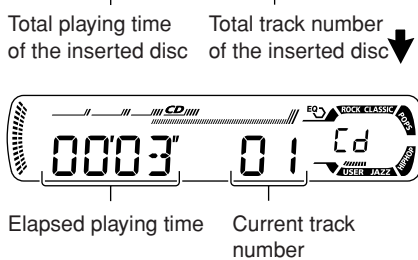
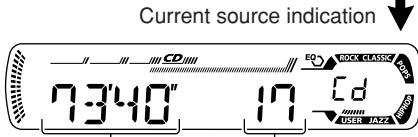
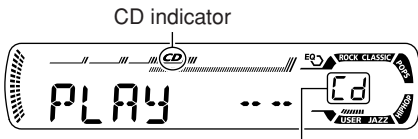
Insert a CD into the loading slot.



The unit turns on, draws the CD and starts playback automatically.

Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.



All tracks will be played repeatedly until you stop playback.

Notes:

- When a CD is inserted upside down, "EJECT" appears on the display and the CD automatically ejects.
- If there is no CD in the loading slot, you cannot select CD as the source. "NO DISC" appears on the display.

To stop play and eject the CD

Press .

CD play stops and the CD automatically ejects from the loading slot. The source changes to the tuner (you will hear the last received station).

- If you change the source, CD play also stops (without ejecting the CD). Next time you select "CD" as the source, CD play starts from where playback has been stopped previously.

Notes:

- If the ejected CD is not removed for about 15 seconds, the CD is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)
- You can eject the CD even when the unit is turned off.

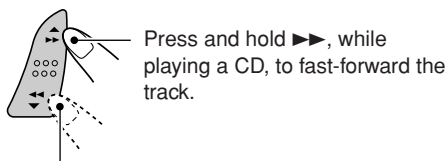
About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying. We recommend that you stop CD play while driving on such rough roads.



Locating a track or a particular portion on a CD

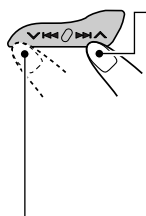
To fast-forward or reverse the track



Press and hold ►►, while playing a CD, to fast-forward the track.

Press and hold ◀◀, while playing a CD, to reverse the track.

To go to the next or previous tracks

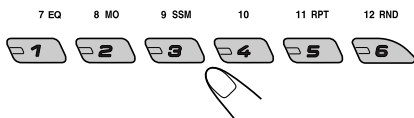


Press ►►|▲ briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press ▼|◀◀ briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly

Press the number button corresponding to the track number to start its playback.



- To select a track number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:
Press and hold 1 (7) – 6 (12) for more than one second.

Selecting CD playback modes

To play back tracks at random (Disc Random Play)

You can play back all tracks on the CD at random.



- 1 Press MODE to enter the functions mode while playing a CD.

12 RND



- 2 Press RND (random), while "MODE" is still flashing on the display, so that "DISC RND" appears on the display. Each time you press the button, disc random play mode turns on and off alternately.

RND (random disc) indicator



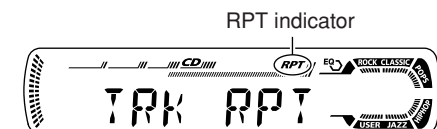
When disc random play is turned on, the RND indicator lights up on the display. A track randomly selected starts playing.



To play back tracks repeatedly (Track Repeat Play)

You can play back the current track repeatedly.

- 1 Press **MODE** to enter the functions mode while playing a CD.
- 2 Press **RPT** (repeat), while "MODE" is still flashing on the display, so that "TRK RPT" appears on the display. Each time you press the button, track repeat play mode turns on and off alternately.

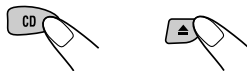


When track repeat play is turned on, the RPT indicator lights up on the display. The current track starts playing repeatedly.

Prohibiting CD ejection

You can prohibit CD ejection and can lock a CD in the loading slot.

While pressing CD, press and hold Δ for more than 2 seconds.



"EJECT" flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.



To cancel the prohibition and unlock the CD

While pressing CD, press and hold Δ again for more than 2 seconds.

"EJECT" appears on the display, and the CD ejects from the loading slot.



SOUND ADJUSTMENTS

Selecting preset sound modes (C-EQ: custom equalizer)

You can select a preset sound mode (C-EQ: custom equalizer) suitable to the music genre.

- There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step **1** again.

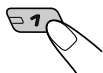
1 Press MODE to enter the functions mode.

MODE



2 Select the sound mode you want.

7 EQ

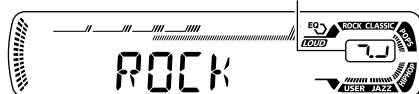


Each time you press the button, the sound modes change as follows:



USER	ROCK	CLASSIC
JAZZ	HIP HOP	POPS

Indication pattern changes for each sound mode except for "USER."



Ex.: When you select "ROCK"

Indication	For:	Preset values		
		BAS	TRE	LOUD
USER	(Flat sound)	00	00	OFF
ROCK	Rock or disco music	+03	+01	ON
CLASSIC	Classical music	+01	-02	OFF
POPS	Light music	+04	+01	OFF
HIP HOP	Funk or rap music	+02	00	ON
JAZZ	Jazz music	+02	+03	OFF

Note:

You can adjust each sound mode to your preference. Once you make an adjustment, it is automatically stored for the currently selected sound mode. See "Adjusting the sound" on page 23.



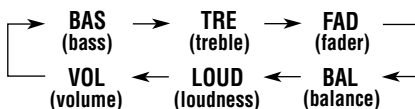
Adjusting the sound

You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.



Each time you press the button, the adjustable items change as follows:



Indication	To do:	Range
BAS ^{*1}	Adjust the bass.	-06 (min.) +06 (max.)
TRE ^{*1}	Adjust the treble.	-06 (min.) +06 (max.)
FAD ^{*2}	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
LOUD ^{*1}	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON LOUD OFF
VOL ^{*3}	Adjust the volume.	00 (min.) 30 or 50 (max.) ^{*4}

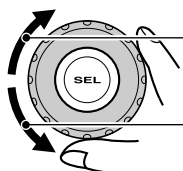
^{*1} When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."

^{*2} If you are using a two-speaker system, set the fader level to "00."

^{*3} Normally the control dial works as the volume control. So you do not have to select "VOL" to adjust the volume level.

^{*4} Depending on the amplifier gain control setting. (See page 25 for details.)

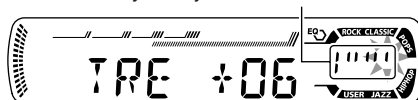
2 Adjust the setting.



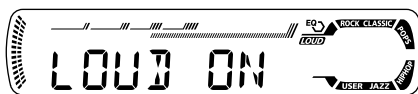
To increase the level or turn on the loudness

To decrease the level or turn off the loudness

Indication pattern changes as you adjust the bass or treble.



Ex. 1: When you adjust "TRE" (treble)



Ex. 2: When you turn on the loudness

3 Repeat steps 1 and 2 to adjust the other items.

To reset each sound mode to the factory settings, repeat the same procedure and reassign the preset values listed in the table on page 22.



OTHER MAIN FUNCTIONS

Changing the general settings (PSM)

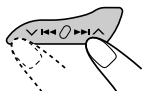
You can change the items listed in the table below and page 25 by using the PSM (Preferred Setting Mode) control.

Basic Procedure

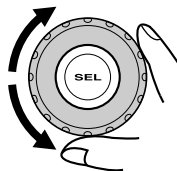
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See below and page 25.)



- 2 Select the PSM item you want to adjust.



- 3 Adjust the PSM item selected.



- 4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

- 5 Finish the setting.



Preferred Setting Mode (PSM) items

- For detailed operations of each PSM items, refer to the pages listed in the table.

Indications		Selectable values/items		Factory-preset settings	See page
DEMO	Display demonstration	DEMO OFF	DEMO ON	DEMO ON	6
CLOCK H	Hour adjustment	0 — 23 (1 — 12)		0 (0:00)	7
CLOCK M	Minute adjustment	00 — 59		00 (0:00)	
24H/12H	24/12-hour time display	12H	24H	24H	
AUTO ADJ	Automatic clock setting	OFF	ON	ON	17
AF-REG	Alternative frequency/ Regionalization reception	AF ↕	↔ AF REG OFF ↕	AF	12, 13



Indications		Selectable values/items		Factory-preset settings	See page
PTY STBY	PTY standby	OFF → 29 programme types (see page 18) ↑		OFF	14
TA VOL	Traffic announcement volume	VOL 00 — VOL 30 or 50*		VOL 20	17
P-SEARCH	Programme search	OFF	ON	OFF	17
DIMMER	Dimmer mode	OFF	ON	OFF	25
TEL	Telephone muting	OFF ↔ MUTING 1 ↕ MUTING 2 ↕		OFF	25
AMP GAIN	Amplifier gain control	LOW PWR	HIGH PWR	HIGH PWR	25

* Depending on the amplifier gain control setting. (See below for details.)

To select the dimmer mode—DIMMER

You can dim the display at night (according to your preference).

When shipped from the factory, dimmer is deactivated.

- OFF: Cancels the dimmer.
- ON: Activates the dimmer.

To select the telephone muting—TEL

This mode is used when a cellular phone system is connected. Depending on the phone system used, select either “MUTING 1” or “MUTING 2” whichever mutes the sounds from this unit. When shipped from the factory, this mode is deactivated.

- MUTING 1: Select if this setting can mute the sounds.
- MUTING 2: Select if this setting can mute the sounds.
- OFF: Cancels the telephone muting.

To select the amplifier gain control —AMP GAIN

You can change the maximum volume level of this unit. When the maximum power of the speakers is less than 50 W, select “LOW PWR” to prevent them from being damaged.

When shipped from the factory, “HIGH PWR” is selected.

- LOW PWR: You can adjust the volume level from “VOL 00” to “VOL 30.”

Note:

If you change the setting from “HIGH PWR” to “LOW PWR” while listening at a volume level more than 30, the unit automatically changes the volume level to “VOL 30.”

- HIGH PWR: You can adjust the volume level from “VOL 00” to “VOL 50.”



Detaching the control panel

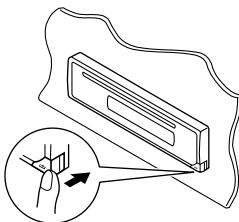
You can detach the control panel when leaving the car.

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

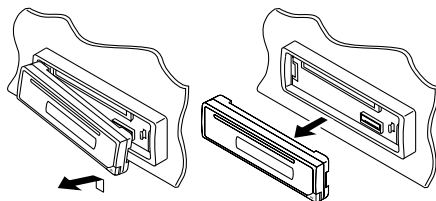
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

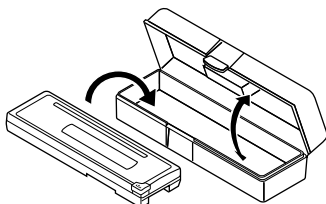
1 Unlock the control panel.



2 Lift and pull the control panel out of the unit.

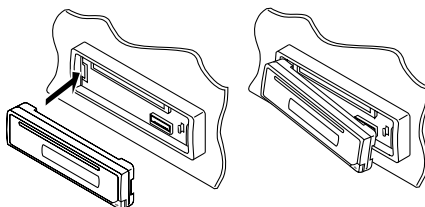


3 Put the detached control panel into the provided case.

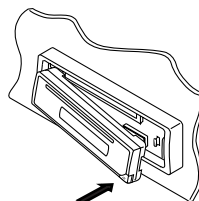


Attaching the control panel

1 Insert the left side of the control panel into the groove on the panel holder.



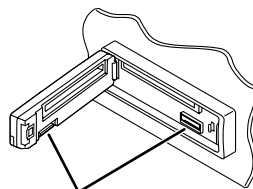
2 Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
FM/AM	<ul style="list-style-type: none"> This unit does not work at all. 	The built-in microcomputer may have functioned incorrectly due to noise, etc.	While holding SEL (select), press ⏻/I ATT (standby/on attenuator) for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.) (See page 2.)
	<ul style="list-style-type: none"> SSM (Strong-station Sequential Memory) automatic preset does not work. 	Signals are too weak.	Store stations manually.
CD Playback	<ul style="list-style-type: none"> Static noise while listening to the radio. 	The aerial is not connected firmly.	Connect the aerial firmly.
	<ul style="list-style-type: none"> CD automatically ejects. 	CD is inserted upside down.	Insert the CD correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	CD-R/CD-RW is not finalized.	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none"> CD can be neither played back nor ejected. 	CD is locked.	Unlock the CD. (See page 21.)
		The CD player may have functioned incorrectly.	While holding ⏻/I ATT (standby/on attenuator), press ⏏ (eject) for more than 2 seconds. Be careful not to drop the CD when it is ejected.
	<ul style="list-style-type: none"> CD sound is sometimes interrupted. 	You are driving on rough roads.	Stop playback while driving on rough roads.
		CD is scratched.	Change the CD.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> "NO DISC" appears on the display. 	No CD in the loading slot.	Insert a CD into the loading slot.
		CD is inserted incorrectly.	Insert the CD correctly.



MAINTENANCE

Handling discs

This unit has been designed to reproduce CDs, CD-Rs (Recordable), and CD-RWs (Rewritable).

• **This unit is not compatible with MP3 discs.**

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

• Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

• Make sure to store discs into the cases after use.

Center holder



To keep discs clean

A dirty disc may not be played correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.



Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R or CD-RW

Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.

- Use only “finalized” CD-Rs or CD-RWs.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, and for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity, so do not leave them inside your car.
- Do not use following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs. For example,

- Stickers or labels may shrink and warp a disc.
- Stickers or labels may be peeled off so discs cannot be ejected.
- Print on discs may get sticky.

Read instructions or cautions about labels and printable discs carefully.

CAUTIONS:

- Do not insert 8 cm discs (single CDs) into the loading slot. (Such discs cannot be ejected.)
- Do not insert any disc of unusual shape—like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

Warped disc



Sticker



Sticker residue

Disc



Stick-on label

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel

Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Rear: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Tone Control Range:

Bass: ± 10 dB at 100 Hz

Treble: ± 10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

2.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

TUNER SECTION

Frequency Range:

FM: 87.5 MHz to 108.0 MHz

AM: (MW) 522 kHz to 1 620 kHz

(LW) 144 kHz to 279 kHz

[FM Tuner]

Usable Sensitivity:

11.3 dBf (1.0 μ V/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 30 dB

Capture Ratio: 1.5 dB

[MW Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

[LW Tuner]

Sensitivity: 50 μ V

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement:

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C

Dimensions (W \times H \times D):

Installation Size (approx.):

182 mm \times 52 mm \times 150 mm

Panel Size (approx.):

188 mm \times 58 mm \times 11 mm

Mass (approx.):

1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

Haben Sie PROBLEME mit dem Betrieb?

Bitte setzen Sie Ihr Gerät zurück

Siehe Seite Zurücksetzen des Geräts

Vous avez des PROBLÈMES de fonctionnement?

Réinitialisez votre appareil

Référez-vous à la page intitulée Comment réinitialiser votre appareil

Hebt u PROBLEMEN met de bediening?

Stel het apparaat terug

Zie de pagina met de paragraaf Het apparaat terugstellen

JVC

VICTOR COMPANY OF JAPAN, LIMITED



EN, GE, FR, NL

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1103KKSMdTJEIN

JVC

KD-G202/KD-G201

Installation/Connection Manual

Einbau/Anschlußanleitung

Manuel d'installation/raccordement

Handleiding voor installatie/aansluiting

GET0184-005A
[E/EX]

1103KKSMDTJEIN
EN, GE, FR, NL

ENGLISH

DEUTSCH

FRANÇAIS

NEDERLANDS

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC IN-CAR ENTERTAINMENT dealers.

Dieses Gerät ist für einen Betrieb in **elektrischen Anlagen mit 12 V Gleichstrom und (–) Erdung ausgelegt**. Verfügt Ihr Fahrzeug nicht über diese Anlage, ist ein Spannungsinverter erforderlich, der bei JVC Autoradiohändler erworben werden kann.

Cet appareil est conçu pour fonctionner sur des sources de courant continu de 12 V à masse NEGATIVE. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

Dit apparaat mag worden gebruikt bij elektrische systemen die werken op **12 V gelijkstroom met negatieve aarding**. Als uw auto niet is uitgerust met een dergelijk systeem, is een spanningsomzetter vereist. Dit instrument kan worden aangeschaft bij JVC car audio dealers.

Parts list for installation and connection

The following parts are provided for this unit. After checking them, please set them correctly.

Teileliste für den Einbau und Anschluß

Die folgenden Teile werden zusammen mit diesem Gerät geliefert. Nach ihrer Überprüfung, die Teile richtig einsetzen.

Liste des pièces pour l'installation et raccordement

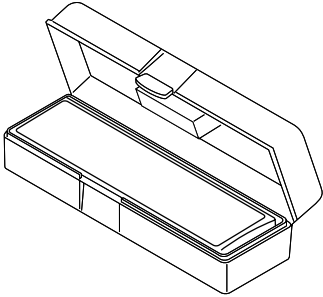
Les pièces suivantes sont fournies avec cet appareil. Après vérification, veuillez les placer correctement.

Lijst van onderdelen die u bij installatie en aansluiting nodig hebt

De volgende onderdelen worden bij het apparaat geleverd. Installeer ze op de juiste wijze, nadat u ze hebt gecontroleerd.

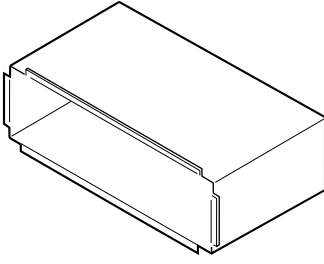
Ⓐ / Ⓑ

Hard case/Control panel
Etui/Schalttafel
Etui de transport/Panneau de commande
Behuizing/Bedieningspaneel



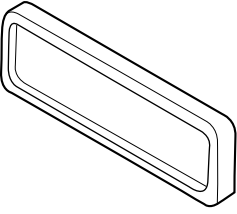
Ⓒ

Sleeve
Halterung
Manchon
Huis



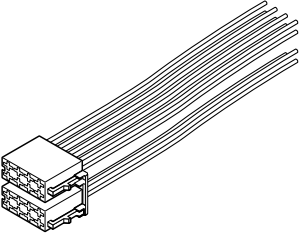
Ⓓ

Trim plate
Frontrahmen
Plaque d'assemblage
Sierplaat




Ⓔ

Power cord
Stromkable
Cordon d'alimentation
Stroomkabel




Ⓕ

Washer (ø5)
Unterlegscheibe (ø5)
Rondelle (ø5)
Sluitring (ø5)



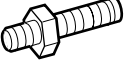
Ⓖ

Lock nut (M5)
Sicherungsmutter (M5)
Ecrou d'arrêt (M5)
Contra-moer (M5)




Ⓗ

Mounting bolt (M5 x 20 mm)
Befestigungsschraube (M5 x 20 mm)
Boulon de montage (M5 x 20 mm)
Bevestigingsbout (M5 x 20 mm)



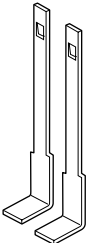
Ⓙ

Rubber cushion
Gummipuffer
Amortisseur en caoutchouc
Rubberdop



⓵

Handles
Griffe
Poignées
Hendels



INSTALLATION
(IN-DASH MOUNTING)

The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

EINBAU
(IM ARMATURENBRETT)

Die folgende Abbildung zeigt einen typischen Einbau. Bei irgendwelchen Fragen oder wenn Sie Informationen hinsichtlich des Einbausatzes brauchen, wenden Sie sich an ihren JVC Autoradiohändler oder ein Unternehmen das diese Einbausätze vertreibt.

- Sind Sie sich über den richtigen Einbau des Geräts nicht sicher, lassen Sie es von einem qualifizierten Techniker einbauen.

INSTALLATION (MONTAGE
DANS LE TABLEAU DE BORD)

L'illustration suivante est un exemple d'installation typique. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

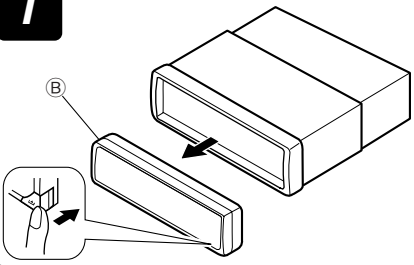
- Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.*

INSTALLATIE (INBOUW IN
HET DASHBOARD)

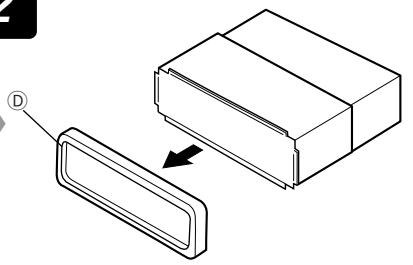
Op de volgende afbeelding kunt u zien hoe de installatie, normaal gesproken, in zijn werk gaat. Neem bij vragen of voor meer bijzonderheden over inbouwpakketten contact op met uw JVC car audio dealer of een dealer of een bedrijf dat inbouwpakketten levert.

- Als u niet zeker weet hoe u dit apparaat moet installeren, kunt u dit beter door een daartoe gekwalificeerde technicus laten doen.

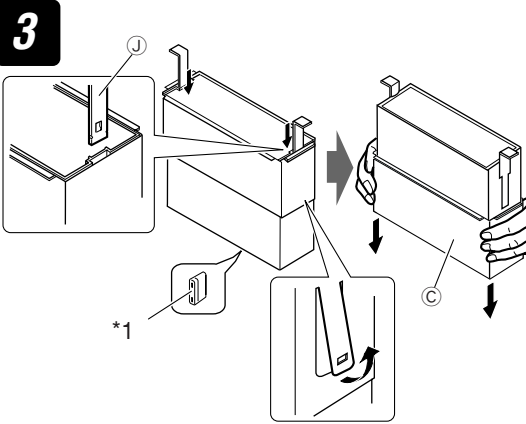
1



2



3



*1 When you stand the unit, be careful not to damage the fuse on the rear.

*1 Beim Aufstellen des Geräts darauf achten, daß die Sicherung auf der Rückseite nicht beschädigt wird.

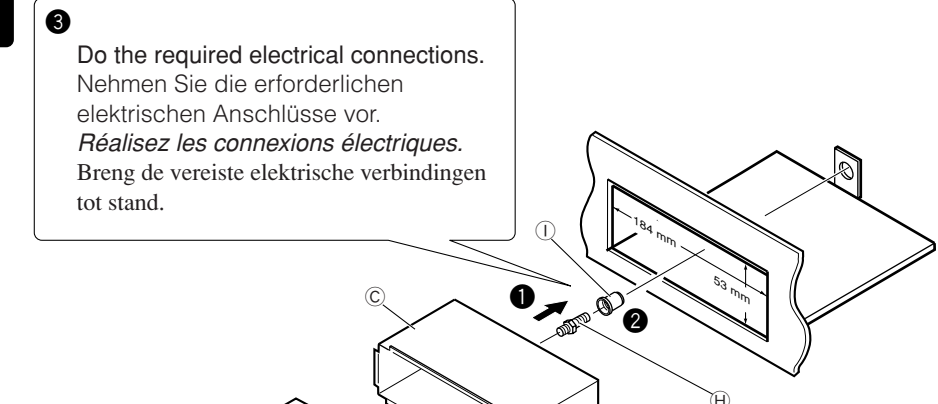
*1 Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur l'arrière.

*1 Wanneer u het apparaat rechtop zet, moet u erop letten dat u de zekering aan de achterkant niet beschadigt.

4

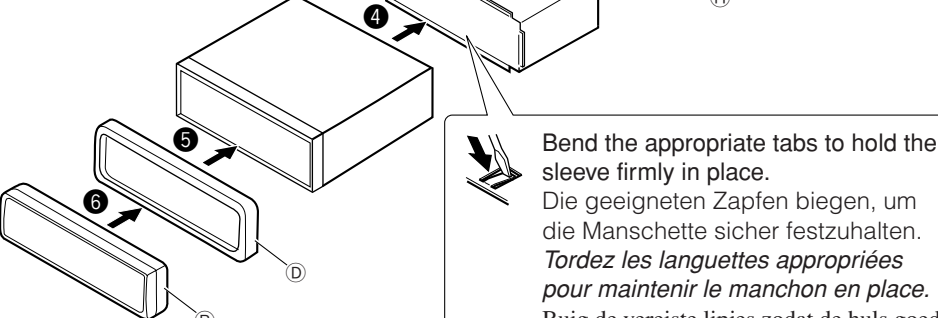
3

Do the required electrical connections. Nehmen Sie die erforderlichen elektrischen Anschlüsse vor. Réalisez les connexions électriques. Breng de vereiste elektrische verbindingen tot stand.



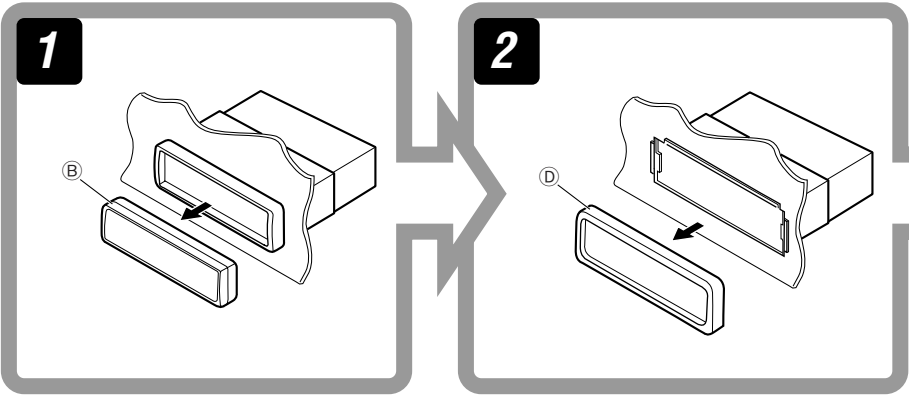
5

Bend the appropriate tabs to hold the sleeve firmly in place. Die geeigneten Zapfen biegen, um die Manschette sicher festzuhalten. Tordez les languettes appropriées pour maintenir le manchon en place. Buig de vereiste lipjes zodat de huls goed op zijn plaats wordt gehouden.



Removing the unit

Before removing the unit, release the rear section.



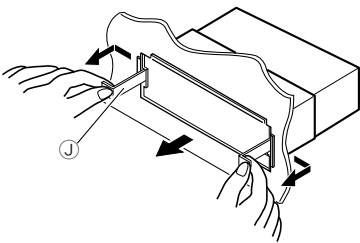
Retrait de l'appareil

Avant de retirer l'appareil, libérer la section arrière.

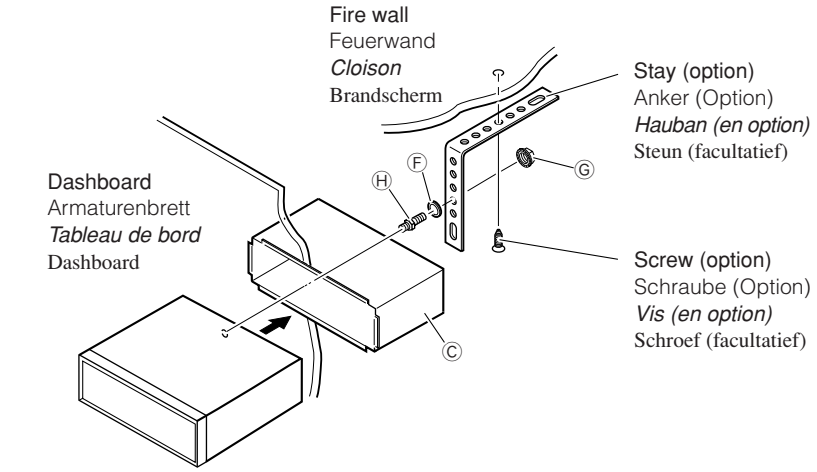
Verwijderen van het apparaat

Voordat u het apparaat verwijdert, moet u het achtergedeelte losmaken.

Insert the two handles, then pull them as illustrated so that the unit can be removed.
Die beiden Handgriffe einsetzen und dann ziehen wie in der Abbildung gezeigt, so daß das Gerät entfernt werden kann.
Insérez les deux poignées, puis tirez de la façon illustrée de façon à retirer l'appareil.
Plaats de twee hendels en trek ze vervolgens zoals afgebeeld naar voren zodat het toestel kan worden verwijderd.



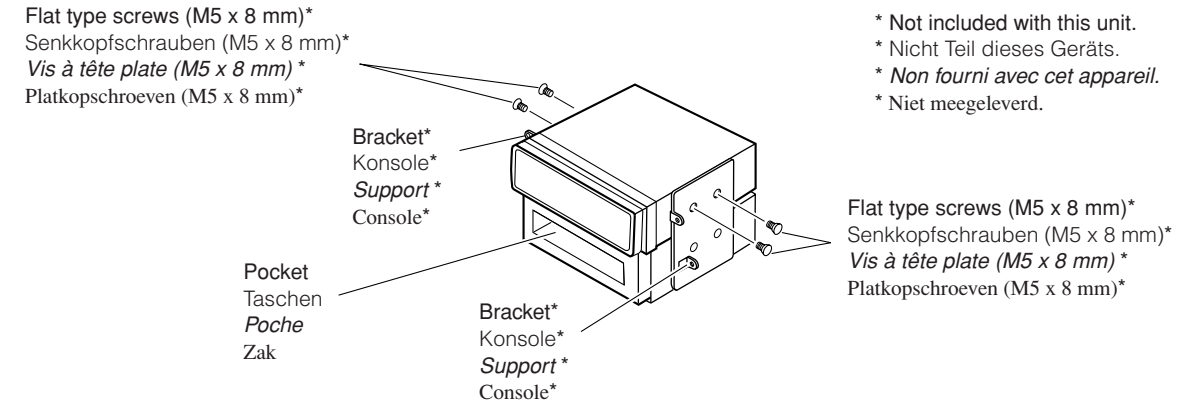
When using the optional stay / Beim Verwenden der Anker-Option / Lors de l'utilisation du hauban en option / Wanneer u de steun gebruikt (facultatief)



Install the unit at an angle of less than 30°. Stellen Sie das Gerät mit einem Winkel von weniger als 30° auf.
Installez l'appareil avec un angle de moins de 30°.
Installeer het toestel met een hoek kleiner dan 30°.

When installing the unit without using the sleeve / Beim Einbau des Geräts ohne Halterung / Lors de l'installation de l'appareil scans utiliser de manchon / Wanneer u het apparaat zonder huis installeert

In a Toyota for example, first remove the car radio and install the unit in its place.
Zum Beispiel in einem Toyota zuerst das Autoradio ausbauen und dann das Gerät an seinem Platz einbauen.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.
Voorbeeld: Bij een Toyota moet u eerst de autoradio verwijderen en daarna het apparaat installeren.

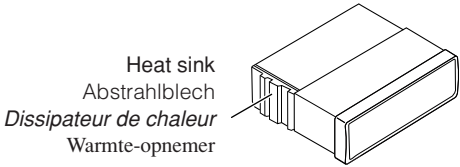


Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
Hinweis : Beim Anbringen des Gerät an der Konsole sicherstellen, daß 8 mm lange Schrauben verwendet werden. Werden längere Schrauben verwendet, können sie das Gerät beschädigen.
Remarque : Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 8 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.
Opmerking : Wanneer u het apparaat aan de bevestigingsklem vastmaakt, moet u de 8 mm lange schroeven gebruiken. Als u langere schroeven gebruikt, kan het apparaat worden beschadigd.

ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.
• **Be sure to ground this unit to the car's chassis again after installation.**

Notes:
• Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
• It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of 4 Ω to 8 Ω). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see page 25 of the INSTRUCTIONS).
• To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
• The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



ELEKTRISCHE ANSCHLÜSSE

Zur Vermeidung von Kurzschlüssen empfehlen wir, daß Sie den negativen Batterieanschluß abtrennen und alle elektrischen Anschlüsse herstellen, bevor das Gerät eingebaut wird.
• **Sicherstellen, daß das Gerät nach dem Einbau a Chassis des Fahrzeugs geerdet wird.**

Hinweise:
• Die Sicherung mit einer der entsprechenden Nennleistung ersetzen. Brennt die Sicherung häufig durch, wenden Sie sich an ihren JVC Autoradiohändler.
• Es wird empfohlen, Lautsprecher mit einer Maximalleistung von mehr als 50 W anzuschließen (sowohl hinten als auch vorne, mit einer Impedanz von 4 Ω bis 8 Ω). Wenn die Maximalleistung weniger als 50 W beträgt, stellen Sie „AMP GAIN“ anders ein, um Schäden an den Lautsprechern zu vermeiden (siehe Seite 25 der BEDIENUNGSANLEITUNG).
• Zur Vermeidung eines Kurzschlusses die Anschlußklemmen der NICHT VERWENDETEN Leitungen mit Isolierklebeband umwickeln.
• Das Abstrahlblech wird nach dem Gebrauch sehr heiß. Beim Ausbau des Geräts darauf achten, das Abstrahlblech nicht zu berühren.

RACCORDEMENTS ELECTRIQUES ELEKTRISCHE VERBINDINGEN

Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil.
• **Assurez-vous de raccorder de nouveau la mise à la masse de cet appareil au châssis de la voiture après l'installation.**

Remarques:
• *Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.*
• *Il est recommandé de connecter des enceintes avec une puissance de plus de 50 W (les enceintes arrière et les enceintes avant, avec une impédance comprise entre 4 Ω et 8 Ω). Si la puissance maximum est inférieure à 50 W, changez "AMP GAIN" pour éviter d'endommager vos enceintes (voir page 25 du MANUEL D'INSTRUCTIONS).*
• *Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS UTILISÉS avec de la bande isolante.*
• *Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.*

Om kortsluiting te voorkomen adviseren wij u om de minpool van de accu los te maken en alle elektrische verbindingen tot stand te brengen voordat u het apparaat in de auto installeert.
• **Aard dit toestel beslist weer op het chassis van de auto na het installeren.**

Opmerkingen:
• Vervang dezekering door een exemplaar met het aangegeven vermogen. Als dezekering vaak doorslaat, moet u uw JVC car audio dealer raadplegen.
• Sluit bij voorkeur luidsprekers met een hoger maximaal vermogen dan 50 W (zowel achter als voor, met een impedantie van 4 Ω t/m 8 Ω) aan. Indien het maximale vermogen lager dan 50 W is, moet u "AMP GAIN" in de andere stand stellen zodat de luidsprekers niet kunnen worden beschadigd (zie bladzijde 25 van de GEBRUIKSAANWIJZING).
• Om kortsluiting te voorkomen, moet u de aansluitklemmen van ONGEBRUIKTE gekleurde draden met isolatieband bedekken.
• De warmte-opnemer kan na gebruik erg heet worden. Raak de warmte-opnemer niet aan wanneer u dit apparaat van zijn plaats haalt.

TROUBLESHOOTING

• **The fuse blows.**
* Are the red and black leads connected correctly?
• **Power cannot be turned on.**
* Is the yellow lead connected?
• **No sound from the speakers.**
* Is the speaker output lead short-circuited?
• **Sound is distorted.**
* Is the speaker output lead grounded?
* Are the "—" terminals of L and R speakers grounded in common?
• **Noise interfere with sounds.**
* Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
• **Unit becomes hot.**
* Is the speaker output lead grounded?
* Are the "—" terminals of L and R speakers grounded in common?

FEHLERSUCHE

• **Die Sicherung brennt durch.**
* Sind die roten und schwarzen Leitungen richtig angeschlossen?
• **Stromversorgung kann nicht eingeschaltet werden.**
* Ist die gelbe Leitung angeschlossen?
• **Kein Ton aus den Lautsprechern.**
* Ist die LautsprecherAusgangsleitung kurzgeschlossen?
• **Ton verzerrt.**
* Ist die LautsprecherAusgangsleitung geerdet?
* Sind die (–) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?
• **Störgeräusche im Klang.**
* Ist die hintere Erdungsklemme mit kürzeren und dickeren Kabeln an das Fahrzeugchassis angeschlossen?
• **Gerät wird heiß.**
* Ist die LautsprecherAusgangsleitung geerdet?
* Sind die (–) Anschlußklemmen der linken und rechten Lautsprecher zusammen geerdet?

EN CAS DE DIFFICULTES

• **Le fusible saute.**
* Les fils rouge et noir sont-ils raccordés correctement?
• **L'appareil ne peut pas être mise sous tension.**
* Le fil jaune est-elle raccordée?
• **Pas de son des enceintes.**
* Le fil de sortie d'enceinte est-il court-circuité?
• **Le son est déformé.**
* Le fil de sortie d'enceinte est-il à la masse?
* Les bornes "—" des enceintes gauche et droit sont-elles mises ensemble à la masse?
• **Interférence avec les sons.**
* La prise arrière de mise à la terre est-elle connectée au châssis de la voiture avec un cordon court et épais?
• **L'appareil devient chaud.**
* Le fil de sortie d'enceinte est-il à la masse?
* Les bornes "—" des enceintes gauche et droit sont-elles mises ensemble à la masse?

PROBLEMEN OPLOSSEN

• **Dezekering slaat door.**
* Zijn de rode en de zwarte draden op de juiste manier aangesloten?
• **De stroom kan niet worden ingeschakeld.**
* Is de gele draad aangesloten?
• **Er komt geen geluid uit de speakers.**
* Is de uitgaande speakerdraad kortgesloten?
• **Het geluid wordt vervormd.**
* Is de uitgaande speakerdraad geaard?
* Zijn de "—" polen van de linker- en de rechtterspeakers gemeenschappelijk geaard?
• **Geluid wordt door ruis gestoord.**
* Is de aarde-aansluiting achter met gebruik van kortere en dikkere snoeren met het chassis van de auto verbonden?
• **Het apparaat raakt verhit.**
* Is de uitgaande speakerdraad geaard?
* Zijn de "—" polen van de linker- en de rechtterspeakers gemeenschappelijk geaard?

A Typical Connections / Typische Anschlüsse / Raccordements typiques / Normale verbindingen

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.
The leads of the power cord and those of the connector from the car body may be different in color.

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
 - 2 Connect the aerial cord.
 - 3 Finally connect the wiring harness to the unit.
- Note:** If your vehicle does not have any accessory terminal, move the fuse from the fuse position 1 (initial position) to fuse position 2, and connect the red lead (A7) to the positive (+) battery terminal.
- The yellow lead (A4) is not used in this case.

Vor dem Anschließen: Die Verdrahtung im Fahrzeug sorgfältig überprüfen. Falsche Anschlüsse können ernsthafte Schäden am Gerät hervorrufen.
Die Leiter des Stromkabels und die Leiter des Anschlusses im Fahrzeug können sich farblich unterscheiden.

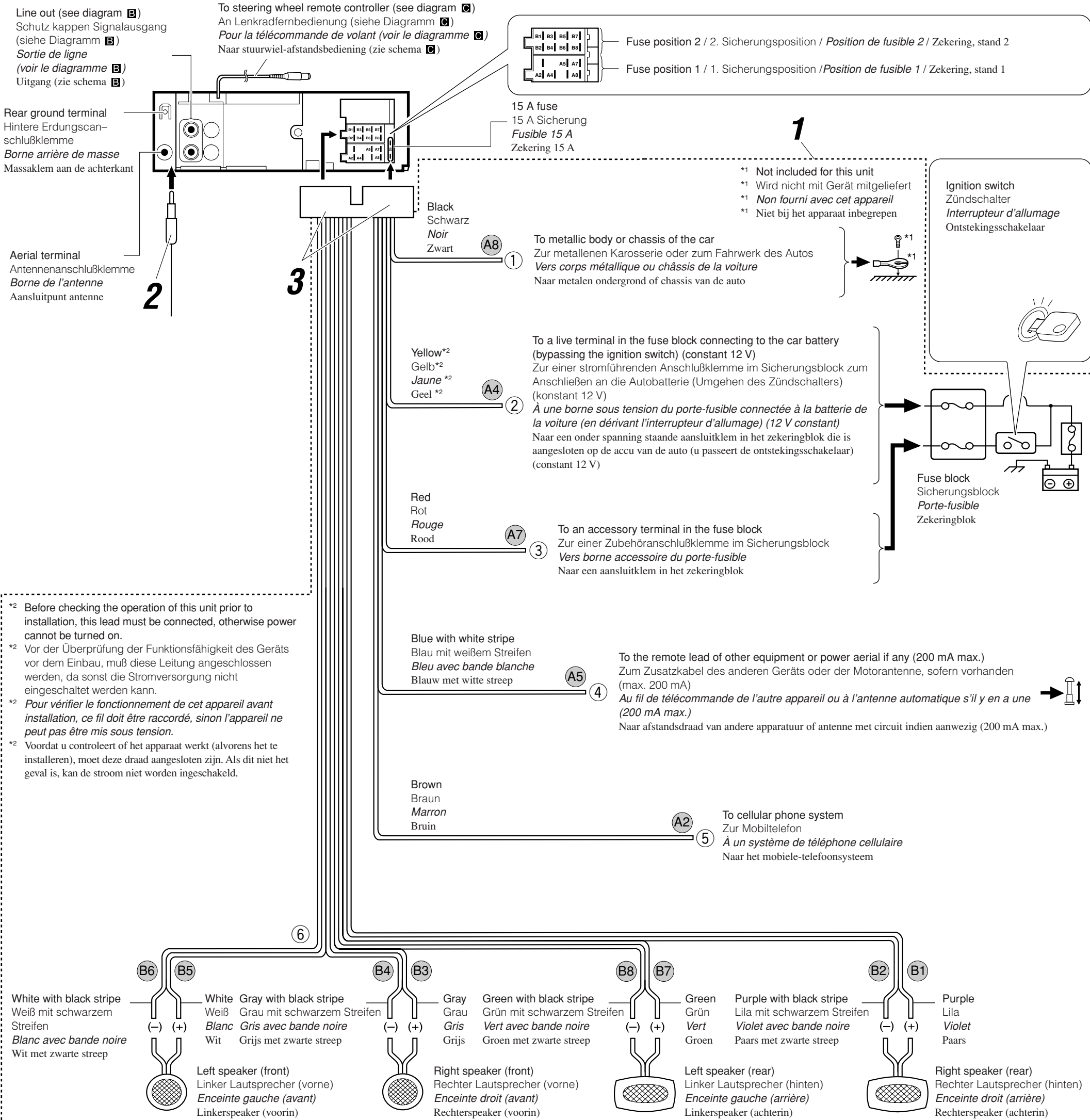
- 1 Die farbigen Adern des Stromkabels in der Reihenfolge anschließen, wie in der Abbildung unten gezeigt.
 - 2 Das Antennenkabel anschließen.
 - 3 Die Kabelbäume am Gerät anschließen.
- Hinweis:** Verfügt Ihr Fahrzeug nicht über eine Zubehöranschlußklemme, die Sicherung von der 1. Sicherungsposition (Erstposition) in die 2. Sicherungsposition versetzen, die rote Leitung (A7) an der (+) Batterieanschlußklemme anschließen.
- Die gelbe Leitung (A4) wird in diesem Fall nicht verwendet.

Avant de commencer la connexion: Vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.
Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

- 1 Connectez les fils colorés du cordon d'alimentation dans l'ordre spécifié sur l'illustration ci-dessous.
 - 2 Connectez le cordon d'antenne.
 - 3 Finalement, connectez le faisceau de fils à l'appareil.
- Remarque:** Si votre véhicule ne possède pas de borne accessoire, déplacez le fusible de la position de fusible 1 (position originale) à la position de fusible 2 et connectez le fil rouge (A7) à la borne positive (+) de la batterie.
- Le fil jaune (A4) n'est pas utilisé dans ce cas.

Alvorens de verbindingen tot stand te brengen: Moet u de bedrading in de auto zorgvuldig. Het apparaat kan door verkeerde verbindingen ernstige schade oplopen.
De draden van het stroomsnoer verschillen mogelijk van kleur metde aansluitingen op het chassis van de auto.

- 1 Verbind de gekleurde draden van het stroomsnoer in de afbeelding hieronder aangegeven volgorde.
 - 2 Sluit de antenne aan.
 - 3 Verbind de draadbundel daarna met het apparaat.
- Opmerking:** Als uw voertuig niet beschikt over een aansluitklem, moet u de zekering verplaatsen van stand 1 (beginstand) naar stand 2 en moet u de rode draad (A7) met de pluspool (+) van de accu verbinden.
- In dit geval wordt de gele draad (A4) niet gebruikt.



B **Connections Adding Other Equipment / Anschlüsse zum Hinzufügen von anderer Ausrüstung / Raccordement pour ajouter d'autres appareils / Aansluitingen voor het toevoegen van andere apparatuur**

Amplifier / Verstärker / Amplificateur / Versterker

You can connect an amplifier and other equipment to upgrade your car stereo system.

- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- **For amplifier only:**
Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.

Sie können einen Verstärker oder ein anderes Gerät anschließen, um Ihre Autostereoanlage zu erweitern.

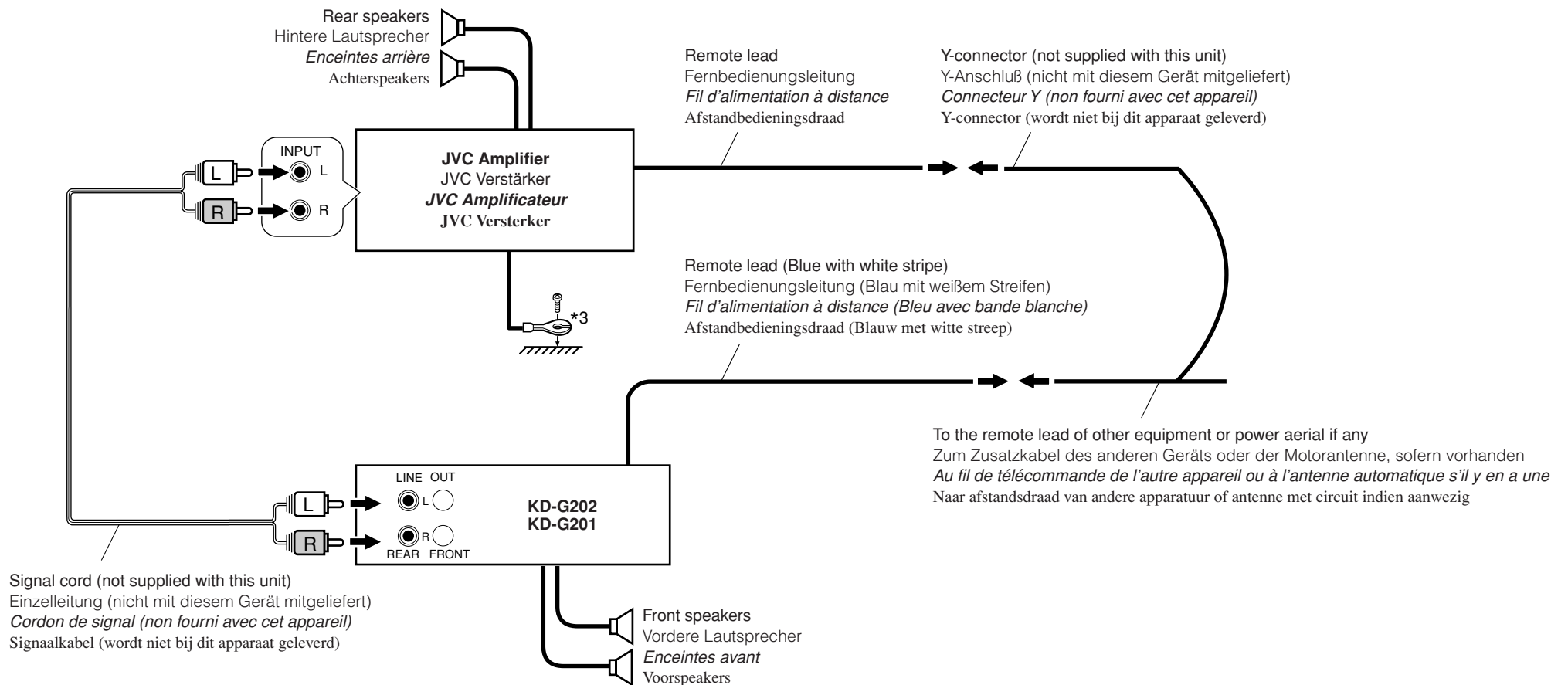
- Schließen Sie das Fernbedienungskabel (blau mit weißem Streifen) an das Fernbedienungskabel des anderen Geräts an, so daß es über dieses Gerät gesteuert werden kann.
- **Nur für den Verstärker:**
Die Lautsprecher von diesem Gerät abtrennen und am Verstärker anschließen. Die Lautsprecherleitungen dieses Geräts unbenutzt lassen.

Vous pouvez connecter un amplificateur ou autre appareil pour améliorer votre système autoradio.

- *Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.*
- **Pour l'amplificateur seulement:**
Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés.

Het is mogelijk om uw autostereosysteem uit te breiden met een versterker of andere apparatuur.

- Verbind de externe kabel (blauw met witte streep) met de externe kabel van het andere apparaat zodat deze op afstand vanaf deze apparaat kan worden bediend.
- **Alleen voor een versterker:**
Koppel de speakers van dit apparaat los en verbind ze aan de versterker. Gebruik de speakerdraden van dit apparaat niet.



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 Verbinden Sie den Erdungsleiter mit der Karosserie oder dem Rahmen des Fahrzeugs. Die Kontaktstelle darf nicht lackiert sein (sollte die Kontaktstelle lackiert sein, entfernen Sie den Lack der Kontaktstelle, bevor Sie den Leiter befestigen). Wenn der Erdungsleiter nicht ordnungsgemäß angeschlossen wird, kann dieses Gerät beschädigt werden.

*3 Attachez solidement le fil de mise à la masse au châssis métallique de la voiture—à un endroit qui n'est pas recouvert de peinture (s'il est recouvert de peinture, enlevez d'abord la peinture avant d'attacher le fil). L'appareil peut être endommagé si cela n'est pas fait correctement.

*3 Bevestig de aarddraad goed met een metalen onderdeel of het chassis van de auto—bevestig op een niet-gelakt gedeelte (indien gelakt, schuur dan af alvorens de draad te bevestigen). Het toestel kan worden beschadigd indien de aarddraad niet goed is aangesloten.

C Connecting to the steering wheel remote controller / Anschluß an die Lenkradfernbedienung / Connexion de la télécommande de volant / Verbinden met de stuurwiel-afstandsbediening

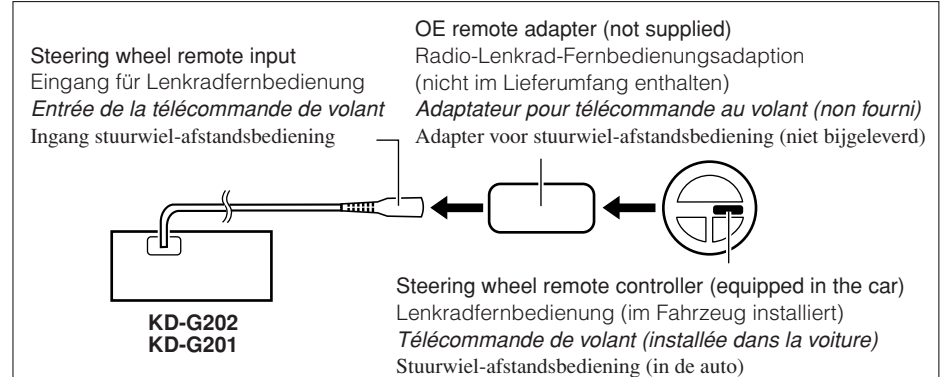
If your car is equipped with the steering wheel remote controller, you can operate this receiver using the controller. To do it, a JVC's OE remote adapter (not supplied) which matches with your car is required. Consult your JVC IN-CAR ENTERTAINMENT dealer for details.

Wenn Ihr Fahrzeug mit einer Lenkradfernbedienung ausgestattet ist, können Sie damit diesen Receiver steuern. Hierfür ist ein für Ihr Fahrzeug passender Radio-Lenkrad-Fernbedienungsadaption von JVC (nicht im Lieferumfang enthalten) erforderlich. Für weitere Einzelheiten wenden Sie sich an Ihren JVC Autoradiohändler.

Si votre voiture est munie d'une télécommande de volant, vous pouvez commander cet autoradio en utilisant la télécommande. Pour le faire, un adaptateur pour télécommande au volant JVC (non fourni) correspondant à votre voiture est nécessaire. Consultez votre revendeur d'autoradio JVC pour les détails.

Indien uw auto een stuurwiel-afstandsbediening heeft, kunt u deze receiver met die afstandsbediening bedienen.

Hiervoor heeft u echter een JVC adapter (niet bijgeleverd) nodig die geschikt is voor de stuurwiel-afstandsbediening van uw auto. Raadpleeg uw JVC car audio dealer voor details.



PRECAUTIONS on power supply and speaker connections:

- **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.**
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

VORSICHTSMASSREGELN beim Anschließen der Stromversorgung und Lautsprecher:

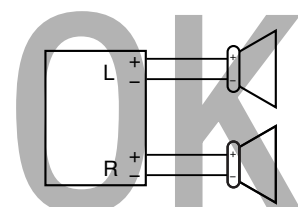
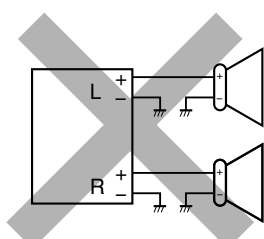
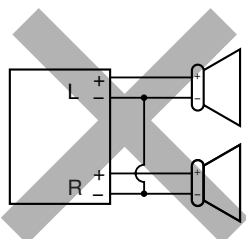
- **Die Lautsprecherleitungen des Netzkabels NICHT an der Autobatterie anschließen, da sonst das Gerät schwer beschädigt wird.**
- VOR dem Anschließen der Lautsprecherleitungen des Spannungsversorgungskabels an die Lautsprecher, die Lautsprecherverdrahtung in Ihrem Auto überprüfen.

PRECAUTIONS sur l'alimentation et la connexion des enceintes:

- **NE CONNECTEZ PAS** les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.
- **AVANT** de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.

VOORZORGSMAATREGELEN bij het verbinden van de stroomkabeldraad met de speakers:

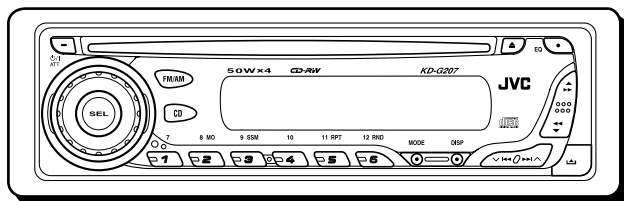
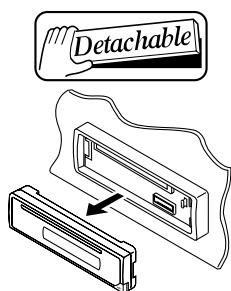
- **Verbind de speakerdraden van de stroomkabel NIET met de accu van de auto; als u dit wel doet, zal het apparaat ernstige schade oplopen.**
- **VOORDAT u de speakerdraden van de stroomkabel met de speakers verbindt, moet u de bedrading van de speakers in uw auto controleren.**





CD RECEIVER РЕСИВЕР С ПРОИГРЫВАТЕЛЕМ КОМПАКТ-ДИСКОВ

KD-G207



COMPACT
disc
DIGITAL AUDIO **CD-RW**

For installation and connections, refer to the separate manual.

Указания по установке и выполнению соединений приводятся в отдельной инструкции.

В соответствии с Законом Российской Федерации “О защите прав потребителей” срок службы (годности) данного товара “по истечении которого он может представлять опасность для жизни, здоровья потребителя, причинять вред его имуществу или окружающей среде” составляет семь (7) лет со дня производства. Этот срок является временем, в течение которого потребитель данного товара может безопасно им пользоваться при условии соблюдения инструкции по эксплуатации данного товара, проводя необходимое обслуживание, включающее замену расходных материалов и/или соответствующее ремонтное обеспечение в специализированном сервисном центре.

Дополнительные косметические материалы к данному товару, поставляемые вместе с ним, могут храниться в течение двух (2) лет со дня его производства.

Срок службы (годности), кроме срока хранения дополнительных косметических материалов, упомянутых в предыдущих двух пунктах, не затрагивает никаких других прав потребителя, в частности, гарантийного свидетельства JVC, которое он может получить в соответствии с законом о правах потребителя или других законов, связанных с ним.

- This unit is equipped with the display demonstration. To cancel it, see page 6.
- Данное устройство имеет функцию демонстрации на экране дисплея. Порядок ее отмены смотрите на странице 6.

INSTRUCTIONS ИНСТРУКЦИИ ПО ЭКСПЛУАТАЦИИ



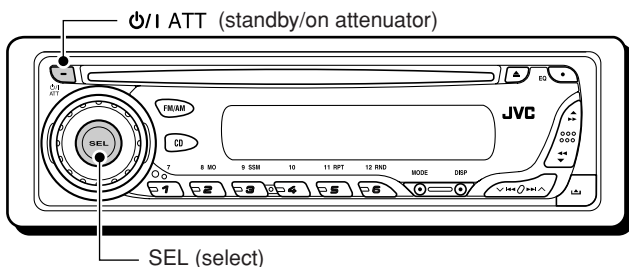
IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION: Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL: Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til strålingen. (e)	VARNING: Synlig og usynlig laserstråling når den åbnes og spærren er urkopplad. Betrakta ej strålen. (d)	VARO: Avaltaessa ja suojalukitus ohittettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersträilylle. Vältä säteiden kohdistumista suoraan itsesi. (f)
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How to reset your unit

While holding SEL (select), press **⏻/I ATT** (standby/on attenuator) for more than 2 seconds. This will reset the built-in microcomputer.



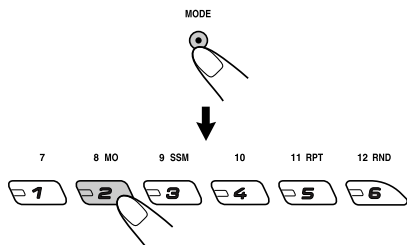
Notes:

- Your preset adjustments—such as preset channels or sound adjustments—will also be erased.
- If a CD is in the unit, it will eject when you reset the unit. Be careful not to drop the CD.

How to use the MODE button

If you press MODE, the unit goes into functions mode, then the number buttons work as different function buttons.

Ex.: When number button 2 works as MO (monaural) button.



To use these buttons for original functions again after pressing MODE, wait for 5 seconds without pressing any of these buttons until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

CONTENTS

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How to use the MODE button	2	Selecting preset sound modes	14
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on a CD	12		
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BEFORE USE

*For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

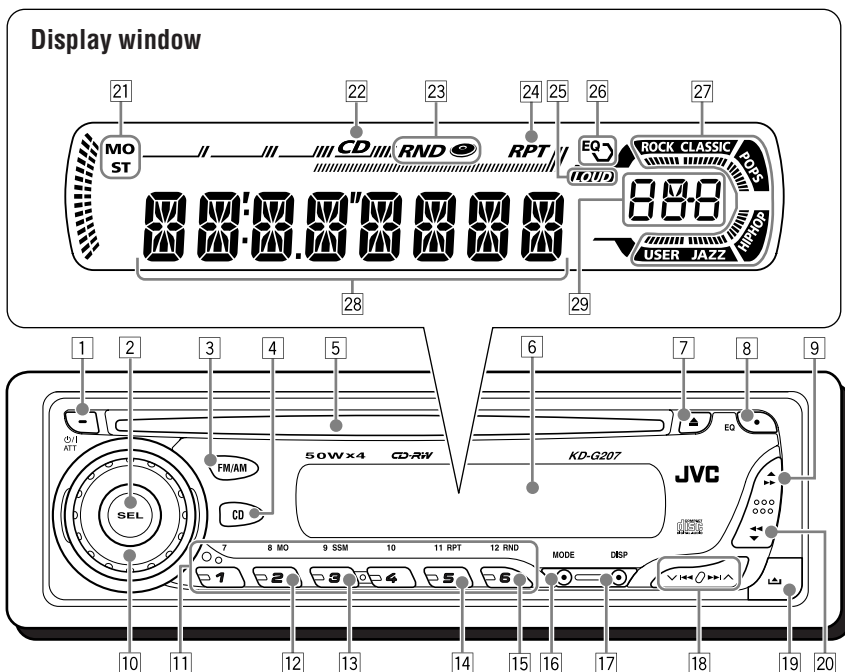
*Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



LOCATION OF THE BUTTONS

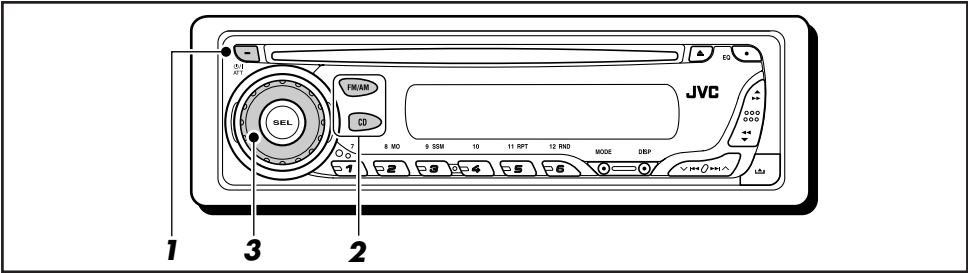
Control panel



- 1 P/I ATT (standby/on attenuator) button
- 2 SEL (select) button
- 3 FM/AM button
- 4 CD button
- 5 Loading slot
- 6 Display window
- 7 ▲ (eject) button
- 8 EQ (equalizer) button
- 9 ▲ (up) button
- ▶▶ (fast-forward) button
- 10 Control dial
- 11 Number buttons
- 12 MO (monaural) button
- 13 SSM (Strong-station Sequential Memory) button
- 14 RPT (repeat) button
- 15 RND (random) button
- 16 MODE button
- 17 DISP (display) button
- 18 ▼ ◀▶▶▶▶ buttons
- 19 ◀▶▶▶▶ (control panel release) button
- 20 ▼ (down) button
- ◀◀ (reverse) button

Display window

- 21 Tuner reception indicators—MO (monaural), ST (stereo)
- 22 CD indicator
- 23 RND (random disc) indicator
- 24 RPT (repeat) indicator
- 25 LOUD (loudness) indicator
- 26 EQ (equalizer) indicator
- 27 Sound mode (C-EQ: custom equalizer) indicators—ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
- 28 Main display
- 29 Source display
- Volume level indicator



Turning on the power

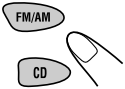
1 Turn on the power.



Note on One-Touch Operation:

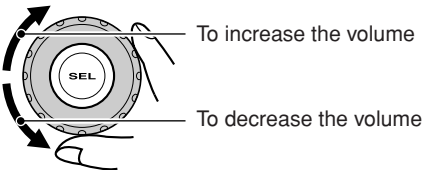
When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

2 Select the source.

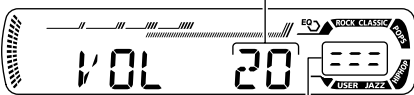


To operate the tuner (FM or AM),
see pages 8 – 10.
To play a CD,
see pages 11 – 13.

3 Adjust the volume.



Volume level appears.



Volume level indicator

4 Adjust the sound as you want. (See pages 14 and 15.)

To drop the volume in a moment

Press **P/I ATT** briefly while listening to any source. “ATT” starts flashing on the display, and the volume level will drop in a moment. To resume the previous volume level, press the button briefly again.

- If you turn the control dial, you can also restore the sound.

To turn off the power

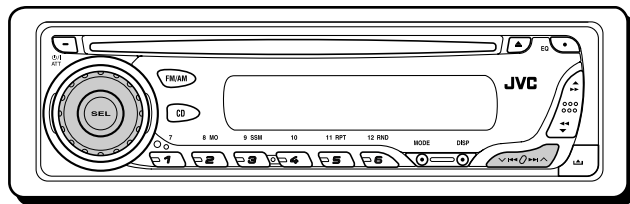
Press and hold **P/I ATT** for more than one second.

“SEE YOU” appears, then the unit turns off.

- **If you turn off the power while listening to a CD,** CD play will start from where playback has been stopped previously, next time you turn on the power.

CAUTION on Volume Setting:

CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a CD and adjust it as required during playback.



Canceling the display demonstration

When shipped from the factory, display demonstration has been activated, and starts automatically when no operations are done for about 20 seconds.

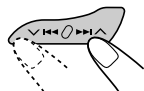
- It is recommended to cancel the display demonstration before you use the unit for the first time.

To cancel the display demonstration, follow the procedure below:

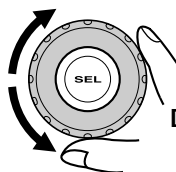
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.** (PSM: see page 16.)



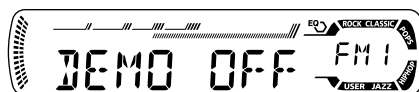
- 2 Select "DEMO" if not shown on the display.**



- 3 Select "DEMO OFF."**



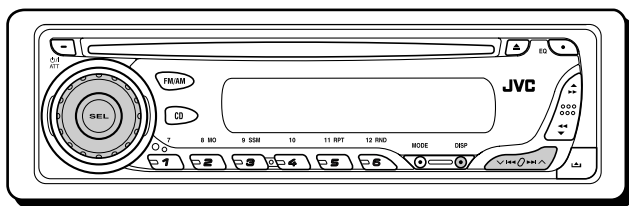
DEMO OFF ↔ DEMO ON



- 4 Finish the setting.**



To activate the display demonstration, repeat the same procedure and select "DEMO ON" in step 3.



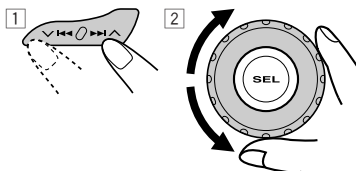
Setting the clock

- 1** Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display.
(PSM: see page 16.)



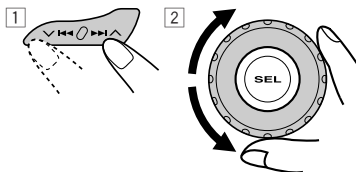
2 Set the hour.

- 1 Select "CLOCK H" (hour) if not shown on the display.
- 2 Adjust the hour.



3 Set the minute.

- 1 Select "CLOCK M" (minute).
- 2 Adjust the minute.



4 Finish the setting.



To check the current clock time or change the display mode

DISP



Press DISP (display) repeatedly.
Each time you press the button, the display changes as follows:

- During tuner operation:

Frequency ↔ Clock

- During CD operation:

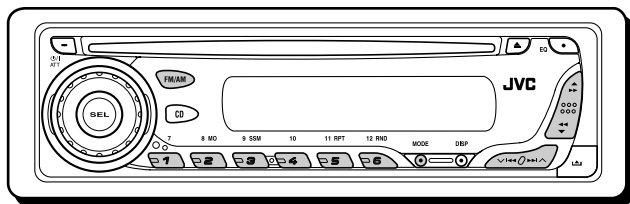
Elapsed playing time ↔ Clock

- During power off:

The power turns on and the clock time is shown for 5 seconds, then the power turns off.



RADIO OPERATIONS



Listening to the radio

You can use either automatic searching or manual searching to tune in to a particular station.

Searching for a station automatically: Auto search

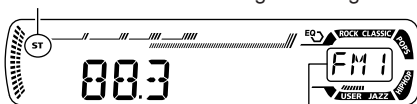
1 Select the band (FM1 – 3, AM).



Each time you press the button, the band changes as follows:

FM1 → FM2 → FM3 → AM

Lights up when receiving an FM stereo broadcast with sufficient signal strength.



Selected band appears.

Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Start searching for a station.



To search for stations of higher frequencies

To search for stations of lower frequencies

When a station is received, searching stops.

To stop searching before a station is received, press the same button you have pressed for searching.

Note:

FM1 and FM2: 87.5 MHz – 108.0 MHz

FM3: 65.00 MHz – 74.00 MHz

Searching for a station manually: Manual search

1 Select the band (FM1 – 3, AM).



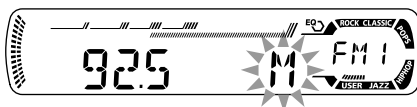
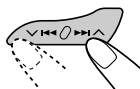
Each time you press the button, the band changes as follows:

FM1 → FM2 → FM3 → AM

Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Press and hold ►►► ▲ or ▼ ◄◄◄ until “M” (manual) starts flashing on the display.



3 Tune in to a station you want while “M” (manual) is still flashing.



To tune in to stations of higher frequencies

To tune in to stations of lower frequencies

- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing—in 50 kHz intervals (87.5 MHz – 108.0 MHz for FM 1 and FM 2), in 30 kHz intervals (65.00 MHz – 74.00 MHz for FM 3) and 9 kHz for AM—MW/LW until you release the button.

Storing stations in memory

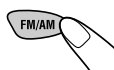
You can use one of the following two methods to store broadcasting stations in memory.

- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

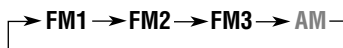
FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2, and FM3).

1 Select the FM band (FM1 – 3) you want to store FM stations into.



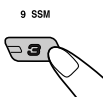
Each time you press the button, the band changes as follows:



2 Press MODE to enter the functions mode.



3 Press and hold SSM for about 2 seconds.



“SSM” flashes, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2, or FM3). These stations are preset in the number buttons—No.1 (lowest frequency) to No.6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

When an FM stereo broadcast is hard to receive

MODE



- 1 Press MODE to enter the functions mode while listening to an FM stereo broadcast.

8 MO



- 2 Press MO (monaural), while “MODE” is still flashing on the display, so that “MONO” appears on the display. Each time you press the button, monaural mode turns on and off alternately.

MO (monaural) indicator



When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved.



Manual preset

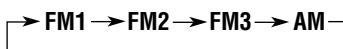
You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

- 1 Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).



Each time you press the button, the band changes as follows:

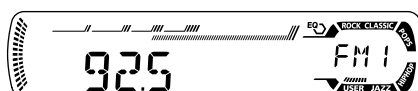


- 2 Tune in to a station (in this example, of 92.5 MHz).

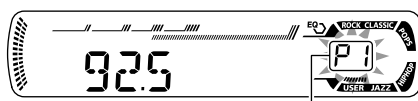
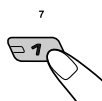


To tune in to stations of higher frequencies

To tune in to stations of lower frequencies



- 3 Press and hold the number button (in this example, 1) for more than 2 seconds.



Preset number flashes for a while.

- 4 Repeat the above procedure to store other stations into other preset numbers.

Notes:

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

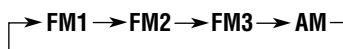
Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on pages 9 and 10.

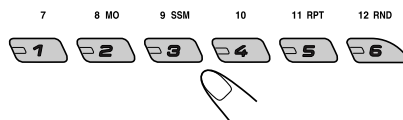
- 1 Select the band (FM1 – 3, AM).



Each time you press the button, the band changes as follows:

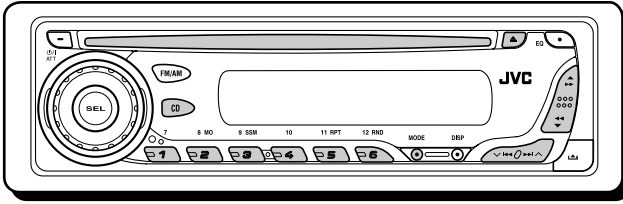


- 2 Select the number (1 – 6) for the preset station you want.



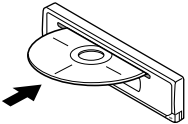
Note:

You can also use the ▲ (up) or ▼ (down) button on the unit to select the next or previous preset stations. Each time you press the ▲ (up) or ▼ (down) button, the next or previous preset station is tuned in.



Playing a CD

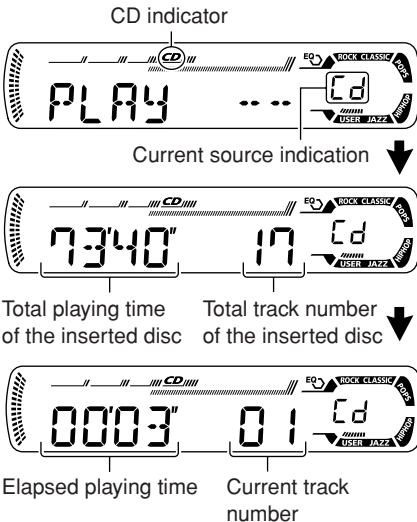
Insert a CD into the loading slot.



The unit turns on, draws the CD and starts playback automatically.

Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.



All tracks will be played repeatedly until you stop playback.

Notes:

- When a CD is inserted upside down, "EJECT" appears on the display and the CD automatically ejects.
- If there is no CD in the loading slot, you cannot select CD as the source. "NO DISC" appears on the display.

To stop play and eject the CD

Press **▲**.

CD play stops and the CD automatically ejects from the loading slot. The source changes to the tuner (you will hear the last received station).

- If you change the source, CD play also stops (without ejecting the CD). Next time you select "CD" as the source, CD play starts from where playback has been stopped previously.

Notes:

- If the ejected CD is not removed for about 15 seconds, the CD is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)
- You can eject the CD even when the unit is turned off.

About mistracking:

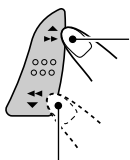
Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying.

We recommend that you stop CD play while driving on such rough roads.



Locating a track or a particular portion on a CD

To fast-forward or reverse the track



Press and hold ►►, while playing a CD, to fast-forward the track.

Press and hold ◀◀, while playing a CD, to reverse the track.

To go to the next or previous tracks

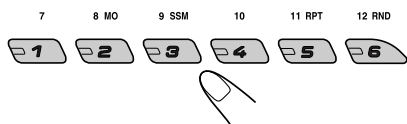


Press ►►|▲ briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press ▼|◀◀ briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly

Press the number button corresponding to the track number to start its playback.



- To select a track number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:
Press and hold 1 (7) – 6 (12) for more than one second.

Selecting CD playback modes

To play back tracks at random (Disc Random Play)

You can play back all tracks on the CD at random.

MODE



- 1 Press MODE to enter the functions mode while playing a CD.

12 RND



- 2 Press RND (random), while “MODE” is still flashing on the display, so that “DISC RND” appears on the display. Each time you press the button, disc random play mode turns on and off alternately.

RND (random disc) indicator



When disc random play is turned on, the RND indicator lights up on the display. A track randomly selected starts playing.



To play back tracks repeatedly (Track Repeat Play)

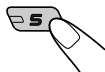
You can play back the current track repeatedly.

MODE

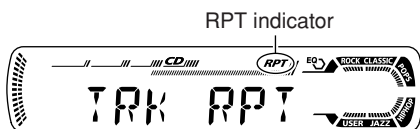


- 1 Press MODE to enter the functions mode while playing a CD.

11 RPT



- 2 Press RPT (repeat), while "MODE" is still flashing on the display, so that "TRK RPT" appears on the display. Each time you press the button, track repeat play mode turns on and off alternately.



When track repeat play is turned on, the RPT indicator lights up on the display. The current track starts playing repeatedly.

Prohibiting CD ejection

You can prohibit CD ejection and can lock a CD in the loading slot.

While pressing CD, press and hold ▲ for more than 2 seconds.



"EJECT" flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.



To cancel the prohibition and unlock the CD

While pressing CD, press and hold ▲ again for more than 2 seconds.

"EJECT" appears on the display, and the CD ejects from the loading slot.



SOUND ADJUSTMENTS

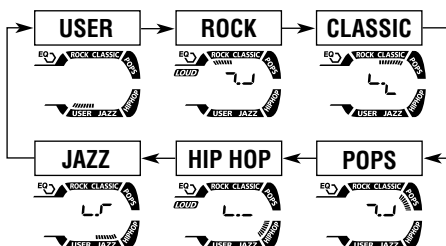
Selecting preset sound modes (C-EQ: custom equalizer)

You can select a preset sound mode (C-EQ: custom equalizer) suitable to the music genre.

Select the sound mode you want.



Each time you press the button, the sound modes change as follows:



Indication pattern changes for each sound mode except for "USER."



Ex.: When you select "ROCK"

Indication	For:	Preset values		
		BAS	TRE	LOUD
USER	(Flat sound)	00	00	OFF
ROCK	Rock or disco music	+03	+01	ON
CLASSIC	Classical music	+01	-02	OFF
POPS	Light music	+04	+01	OFF
HIP HOP	Funk or rap music	+02	00	ON
JAZZ	Jazz music	+02	+03	OFF

Note:

You can adjust each sound mode to your preference. Once you make an adjustment, it is automatically stored for the currently selected sound mode. See "Adjusting the sound" on page 15.



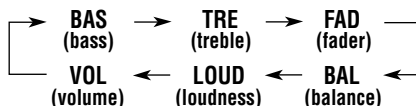
Adjusting the sound

You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.



Each time you press the button, the adjustable items change as follows:



Indication	To do:	Range
BAS* ¹	Adjust the bass.	-06 (min.) +06 (max.)
TRE* ¹	Adjust the treble.	-06 (min.) +06 (max.)
FAD* ²	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
LOUD* ¹	Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON LOUD OFF
VOL* ³	Adjust the volume.	00 (min.) 30 or 50 (max.)* ⁴

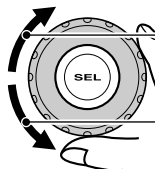
*¹ When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."

*² If you are using a two-speaker system, set the fader level to "00."

*³ Normally the control dial works as the volume control. So you do not have to select "VOL" to adjust the volume level.

*⁴ Depending on the amplifier gain control setting. (See page 17 for details.)

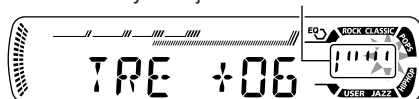
2 Adjust the setting.



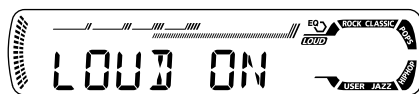
To increase the level or turn on the loudness

To decrease the level or turn off the loudness

Indication pattern changes as you adjust the bass or treble.



Ex. 1: When you adjust "TRE" (treble)



Ex. 2: When you turn on the loudness

3 Repeat steps 1 and 2 to adjust the other items.

To reset each sound mode to the factory settings, repeat the same procedure and reassign the preset values listed in the table on page 14.



OTHER MAIN FUNCTIONS

Changing the general settings (PSM)

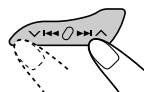
You can change the items listed in the table below by using the PSM (Preferred Setting Mode) control.

Basic Procedure

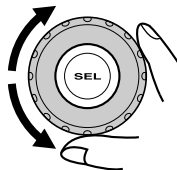
- 1 Press and hold SEL (select) for more than 2 seconds so that one of the PSM items appears on the display. (See below.)



- 2 Select the PSM item you want to adjust.



- 3 Adjust the PSM item selected.



- 4 Repeat steps 2 and 3 to adjust the other PSM items if necessary.

- 5 Finish the setting.



Preferred Setting Mode (PSM) items

- For detailed operations of each PSM items, refer to the pages listed in the table.

Indications		Selectable values/items		Factory-preset settings	See page
DEMO	Display demonstration	DEMO OFF	DEMO ON	DEMO ON	6
CLOCK H	Hour adjustment	0 — 23		0 (0:00)	7
CLOCK M	Minute adjustment	00 — 59		00 (0:00)	
DIMMER	Dimmer mode	OFF	ON	OFF	17
TEL	Telephone muting	OFF ↔ MUTING 1 ↗ ↘ MUTING 2 ↖ ↙		OFF	17
AMP GAIN	Amplifier gain control	LOW PWR	HIGH PWR	HIGH PWR	17



To select the dimmer mode—DIMMER

You can dim the display at night (according to your preference).

When shipped from the factory, dimmer is deactivated.

- OFF: Cancels the dimmer.
- ON: Activates the dimmer.

To select the telephone muting—TEL

This mode is used when a cellular phone system is connected. Depending on the phone system used, select either "MUTING 1" or "MUTING 2" whichever mutes the sounds from this unit.

When shipped from the factory, this mode is deactivated.

- MUTING 1: Select if this setting can mute the sounds.
- MUTING 2: Select if this setting can mute the sounds.
- OFF: Cancels the telephone muting.

To select the amplifier gain control—AMP GAIN

You can change the maximum volume level of this unit. When the maximum power of the speakers is less than 50 W, select "LOW PWR" to prevent them from being damaged.

When shipped from the factory, "HIGH PWR" is selected.

- LOW PWR: You can adjust the volume level from "VOL 00" to "VOL 30."

Note:

If you change the setting from "HIGH PWR" to "LOW PWR" while listening at a volume level more than 30, the unit automatically changes the volume level to "VOL 30."

- HIGH PWR: You can adjust the volume level from "VOL 00" to "VOL 50."



Detaching the control panel

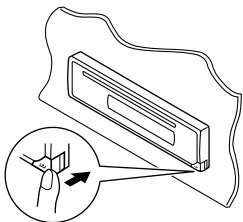
You can detach the control panel when leaving the car.

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

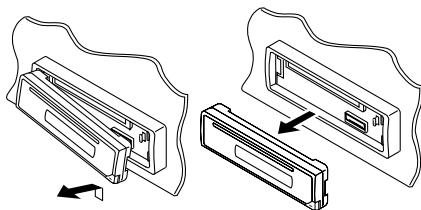
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

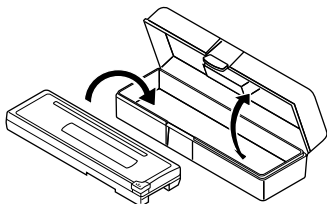
1 Unlock the control panel.



2 Lift and pull the control panel out of the unit.

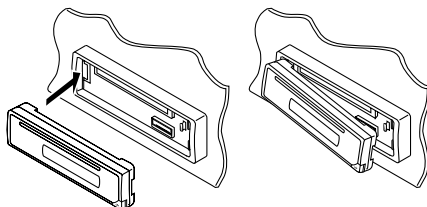


3 Put the detached control panel into the provided case.

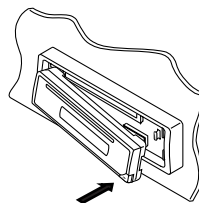


Attaching the control panel

1 Insert the left side of the control panel into the groove on the panel holder.



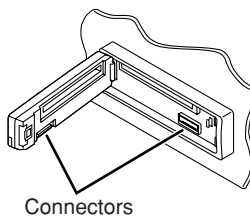
2 Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate.

To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	<ul style="list-style-type: none"> Sound cannot be heard from the speakers. 	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> This unit does not work at all. 	The built-in microcomputer may have functioned incorrectly due to noise, etc.	While holding SEL (select), press ⏻/I ATT (standby/on attenuator) for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.) (See page 2.)
FM/AM	<ul style="list-style-type: none"> SSM (Strong-station Sequential Memory) automatic preset does not work. 	Signals are too weak.	Store stations manually.
	<ul style="list-style-type: none"> Static noise while listening to the radio. 	The aerial is not connected firmly.	Connect the aerial firmly.
CD Playback	<ul style="list-style-type: none"> CD automatically ejects. 	CD is inserted upside down.	Insert the CD correctly.
	<ul style="list-style-type: none"> CD-R/CD-RW cannot be played back. Tracks on the CD-R/CD-RW cannot be skipped. 	CD-R/CD-RW is not finalized.	<ul style="list-style-type: none"> Insert a finalized CD-R/CD-RW. Finalize the CD-R/CD-RW with the component which you used for recording.
		CD is locked.	Unlock the CD. (See page 13.)
	<ul style="list-style-type: none"> CD can be neither played back nor ejected. 	The CD player may have functioned incorrectly.	While holding ⏻/I ATT (standby/on attenuator), press ▲ (eject) for more than 2 seconds. Be careful not to drop the CD when it is ejected.
	<ul style="list-style-type: none"> CD sound is sometimes interrupted. 	You are driving on rough roads.	Stop playback while driving on rough roads.
		CD is scratched.	Change the CD.
		Connections are incorrect.	Check the cords and connections.
	<ul style="list-style-type: none"> "NO DISC" appears on the display. 	No CD in the loading slot.	Insert a CD into the loading slot.
		CD is inserted incorrectly.	Insert the CD correctly.



MAINTENANCE

Handling discs

This unit has been designed to reproduce CDs, CD-Rs (Recordable), and CD-RWs (Rewritable).

- **This unit is not compatible with MP3 discs.**

How to handle discs

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

Center holder



To keep discs clean

A dirty disc may not be played correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.



Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R or CD-RW

Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.

- Use only “finalized” CD-Rs or CD-RWs.
- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, and for the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation on the lens inside the unit.
 - The pickup lens inside the unit is dirty.
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- CD-Rs or CD-RWs are susceptible to high temperatures or high humidity, so do not leave them inside your car.
- Do not use following CD-Rs or CD-RWs:
 - Discs with stickers, labels, or protective seal stuck to the surface.
 - Discs on which labels can be directly printed by an ink jet printer.

Using these discs under high temperatures or high humidity may cause malfunctions or damage to discs. For example,

- Stickers or labels may shrink and warp a disc.
- Stickers or labels may be peeled off so discs cannot be ejected.
- Print on discs may get sticky.

Read instructions or cautions about labels and printable discs carefully.

CAUTIONS:

- Do not insert 8 cm discs (single CDs) into the loading slot. (Such discs cannot be ejected.)
- Do not insert any disc of unusual shape—like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose discs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean discs.

Warped disc



Sticker



Sticker residue

Disc



Stick-on label

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 50 W per channel

Rear: 50 W per channel

Continuous Power Output (RMS):

Front: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Rear: 19 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)

Tone Control Range:

Bass: ± 10 dB at 100 Hz

Treble: ± 10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

2.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

TUNER SECTION

Frequency Range:

FM1/FM2: 87.5 MHz to 108.0 MHz

FM3: 65.00 MHz to 74.00 MHz

AM: (MW) 522 kHz to 1 620 kHz

(LW) 144 kHz to 279 kHz

[FM Tuner]

Usable Sensitivity:

11.3 dBf (1.0 μ V/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 Hz to 15 000 Hz

Stereo Separation: 30 dB

Capture Ratio: 1.5 dB

[MW Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

[LW Tuner]

Sensitivity: 50 μ V

CD PLAYER SECTION

Type: Compact disc player

Signal Detection System: Non-contact optical pickup (semiconductor laser)

Number of channels: 2 channels (stereo)

Frequency Response: 5 Hz to 20 000 Hz

Dynamic Range: 96 dB

Signal-to-Noise Ratio: 98 dB

Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement:

Operating Voltage:

DC 14.4 V (11 V to 16 V allowance)

Grounding System: Negative ground

Allowable Operating Temperature:

0°C to +40°C

Dimensions (W \times H \times D):

Installation Size (approx.):

182 mm \times 52 mm \times 150 mm

Panel Size (approx.):

188 mm \times 58 mm \times 11 mm

Mass (approx.):

1.3 kg (excluding accessories)

Design and specifications are subject to change without notice.



**Having TROUBLE with operation?
Please reset your unit**

Refer to page of How to reset your unit

**Затруднения при эксплуатации?
Пожалуйста, перезагрузите Ваше
устройство**

**Для получения информации о перезагрузке Вашего
устройства обратитесь на соответствующую страницу**

JVC

VICTOR COMPANY OF JAPAN, LIMITED



EN, RU

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1103KKSMdTJEIN

JVC KD-G207

Installation/Connection Manual

Руководство по установке/подключению

GET0179-002A
[EE]

1103KKSMdTJEIN
EN, RU

ENGLISH

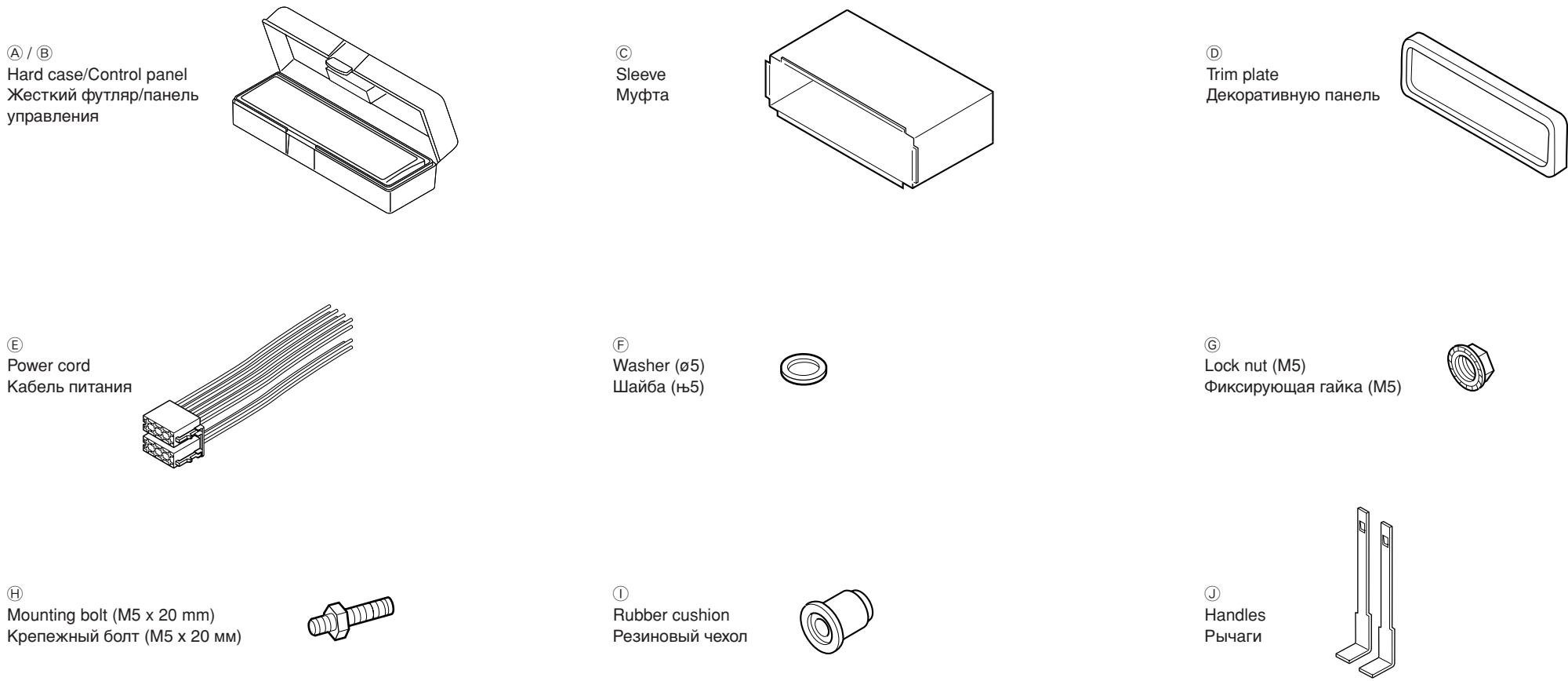
РУССКИЙ

This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC IN-CAR ENTERTAINMENT dealers.

Это устройство разработано для эксплуатации на **12 В постоянного напряжения с минусом на массе**. Если Ваш автомобиль не имеет этой системы, требуется инвертор напряжения, который может быть приобретен у дилера автомобильного специалиста JVC.

Parts list for installation and connection

The following parts are provided for this unit.
After checking them, please set them correctly.



Список деталей для установки и подключения

Следующие детали поставлены в комплекте с устройством. Номер в скобках обозначает количество поставляемых деталей.
После проверки комплектации, пожалуйста, установите их правильно.

INSTALLATION (IN-DASH MOUNTING)

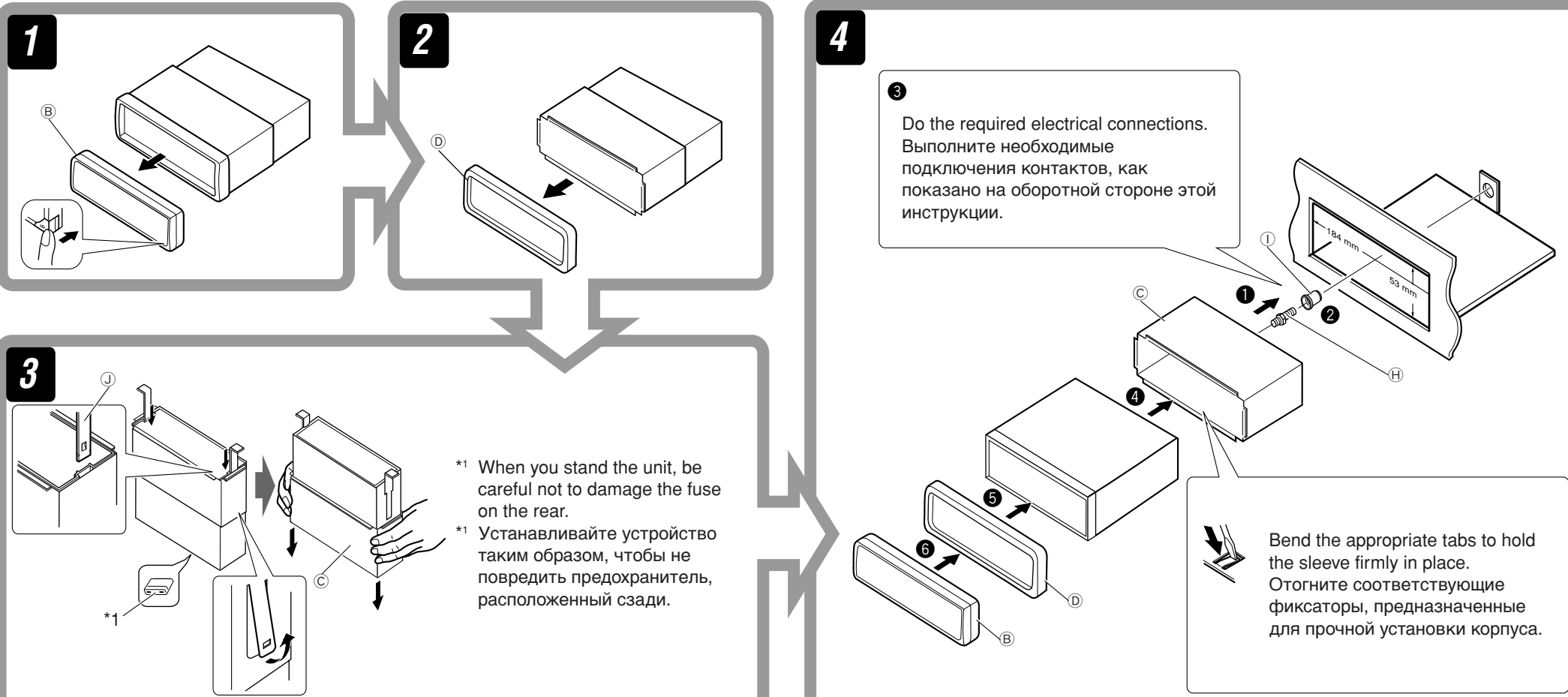
The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

УСТАНОВКА (УСТАНОВКА В ПРИБОРНУЮ ПАНЕЛЬ)

На следующих иллюстрациях показана типовая установка. Тем не менее, Вы должны сделать поправки в соответствии с типом Вашего автомобиля. Если у Вас есть какие-либо вопросы, касающиеся установки, обратитесь к Вашему дилеру автомобильного специалиста JVC или в компанию, поставляющую соответствующие принадлежности.

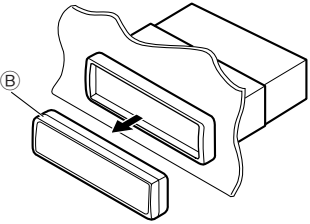
- Если Вы не знаете точно, как следует устанавливать это устройство, обратитесь к квалифицированному специалисту.



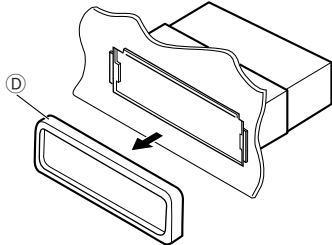
Removing the unit
Before removing the unit, release the rear section.

Удаление устройства
Перед удалением устройства освободите заднюю часть.

1

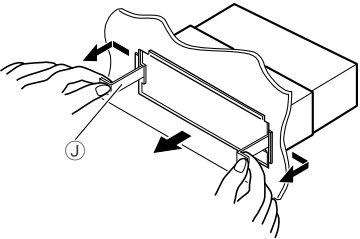


2

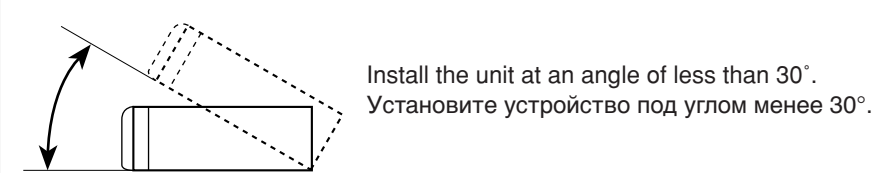
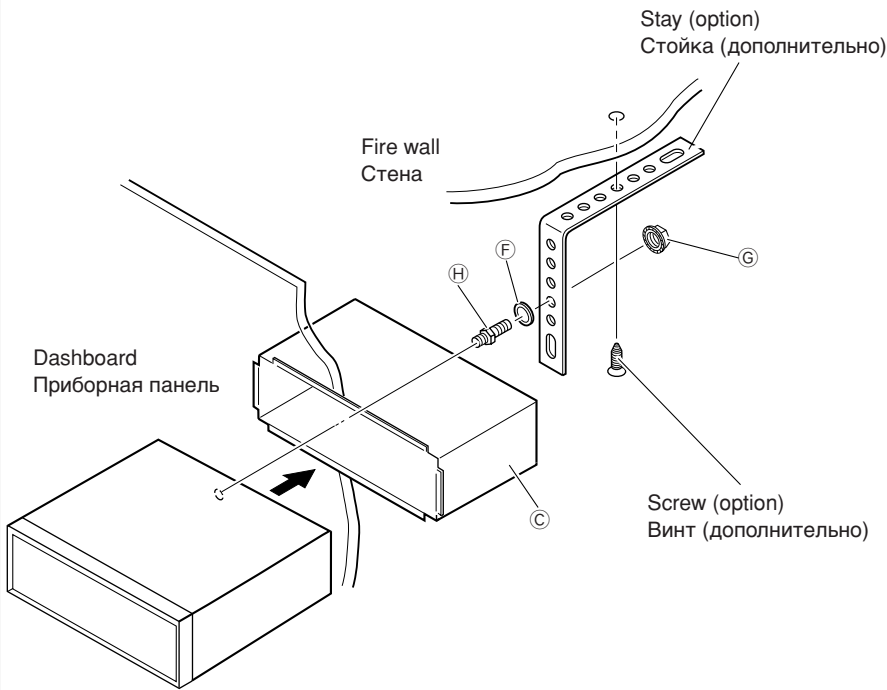


3

Insert the two handles, then pull them as illustrated so that the unit can be removed.
Вставьте два рычажка, затем потяните их, как показано на рисунке, чтобы вынуть устройство.

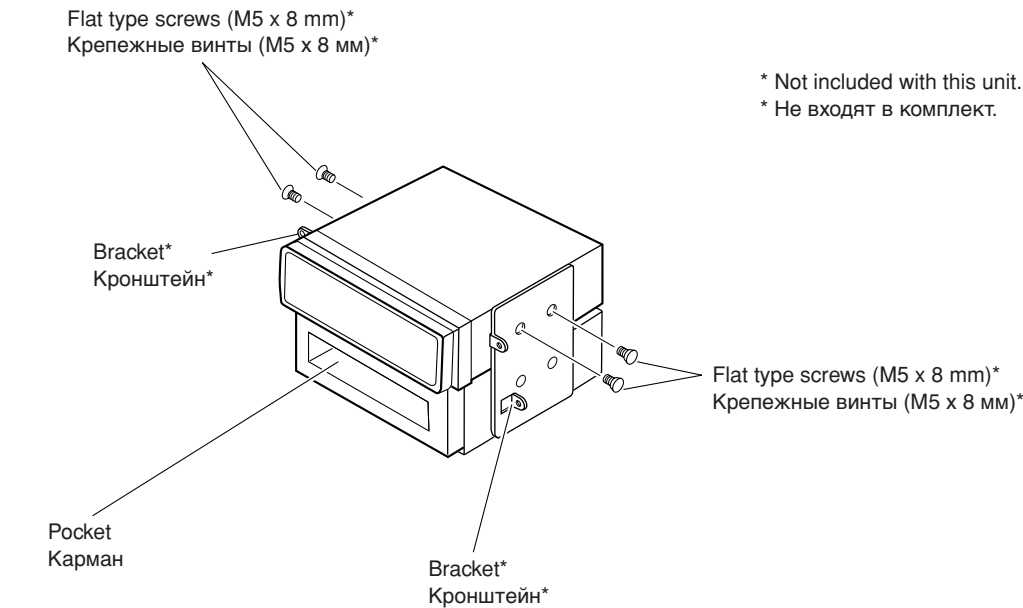


When using the optional stay
При использовании дополнительной стойки



When installing the unit without using the sleeve
При установке устройства без использования муфты

In a Toyota for example, first remove the car radio and install the unit in its place.
В автомобилях “Toyota”, например, сначала удалите автомобильную магнитолу, затем установите на ее место это устройство.



Note : When installing the unit on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the unit.
Примечание : При установке устройства на крепежный кронштейн, используйте только винты длиной 8 мм. При использовании более длинных винтов можно повредить устройство.

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car’s chassis using shorter and thicker cords?
- **Unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “–” terminals of L and R speakers grounded in common?

ВЫЯВЛЕНИЕ НЕИСПРАВНОСТЕЙ

- **Сработал предохранитель.**
 - * Правильно ли подключены черный и красный провода?
- **Питание не включается.**
 - * Подключен ли желтый провод?
- **Звук не выводится через громкоговорители.**
 - * Нет ли короткого замыкания на кабеле выхода громкоговорителей?
- **Звук искажен.**
 - * Заземлен ли провод выхода громкоговорителей?
 - * Заземлены ли разъемы “–” правого (R) и левого (L) громкоговорителей?
- **Шум мешает звучанию.**
 - * Соединен ли находящийся сзади зажим заземления с шасси автомобиля с помощью более короткого и тонкого шнуров?
- **Устройство нагревается.**
 - * Заземлен ли провод выхода громкоговорителей?
 - * Заземлены ли разъемы “–” правого (R) и левого (L) громкоговорителей?

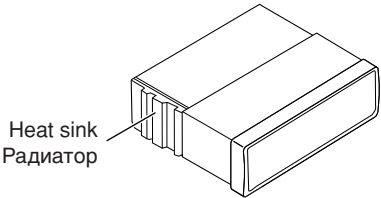
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery’s negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car’s chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change “AMP GAIN” setting to prevent the speakers from being damaged (see page 17 of the INSTRUCTIONS).
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



Typical Connections / Типичные подключения

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

The leads of the power cord and those of the connector from the car body may be different in color.

- 1** Connect the colored leads of the power cord in the order specified in the illustration below.
- 2** Connect the aerial cord.
- 3** Finally connect the wiring harness to the unit.

Note: If your vehicle does not have any accessory terminal, move the fuse from the fuse position 1 (initial position) to fuse position 2, and connect the red lead (A7) to the positive (+) battery terminal.

- The yellow lead (A4) is not used in this case.

ЭЛЕКТРИЧЕСКИЕ ПОДКЛЮЧЕНИЯ

Для предотвращения коротких замыканий мы рекомендуем Вам отсоединить отрицательный разъем аккумулятора и осуществить все подключения перед установкой устройства.

- **После установки обязательно заземлите данное устройство на шасси автомобиля.**

Примечания:

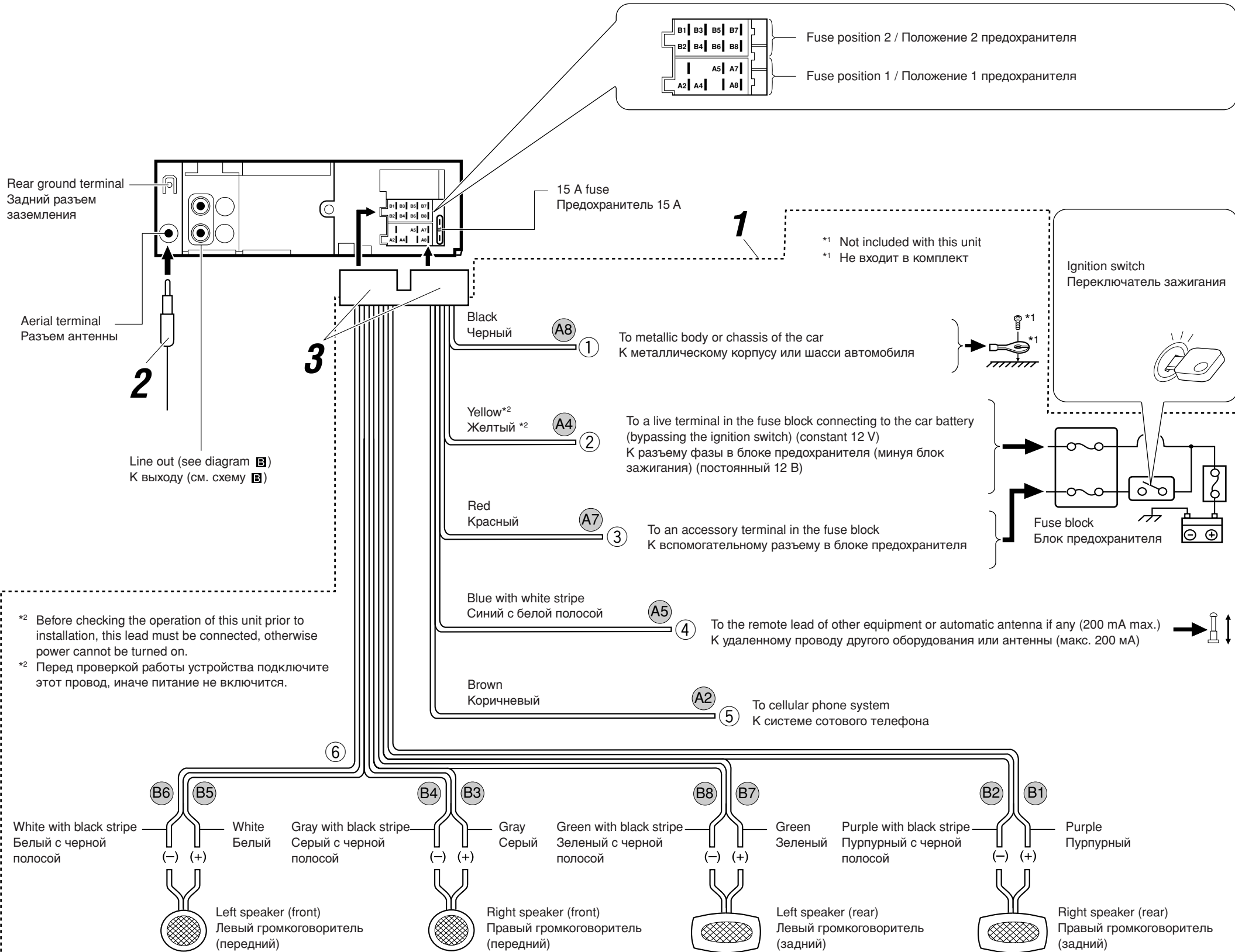
- Заменяйте предохранитель другим предохранителем указанного класса. Если предохранитель сгорает слишком часто, обратитесь к дилеру автомобильного специалиста JVC.
- Рекомендуется подключать динамики с максимальной мощностью более 50 Вт (к задней и передней панели устройства, с полным сопротивлением от **4 Ω до 8 Ω**). Если максимальная мощность динамиков менее 50 Вт, перейдите в режим “AMP GAIN”, чтобы предотвратить их повреждение (см. ИНСТРУКЦИИ ПО ЭКСПЛУАТАЦИИ на стр. 17).
- Для предотвращения короткого замыкания заклейте НЕИСПОЛЬЗУЕМЫЕ концы изолирующей лентой.
- Радиатор во время использования сильно нагревается. Старайтесь его не трогать во время удаления устройства.

Перед началом подключений: Тщательно проверьте проводку в автомобиле. Неправильное подключение может привести к серьезному повреждению устройства. Жилы силового кабеля и жилы соединителя от кузова автомобиля могут быть разного цвета.

- 1** Подсоедините цветные провода шнура питания в указанном ниже порядке.
- 2** Подключите кабель антенны.
- 3** В последнюю очередь подключите электропроводку к устройству.

Примечание: Если в Вашем автомобиле никакого вспомогательного разъема не имеется, переставьте предохранитель из положения 1 предохранителя (первоначальное положение) в положение 2 предохранителя и подключите красный провод (A7) к положительному (+) полюсу аккумулятора.

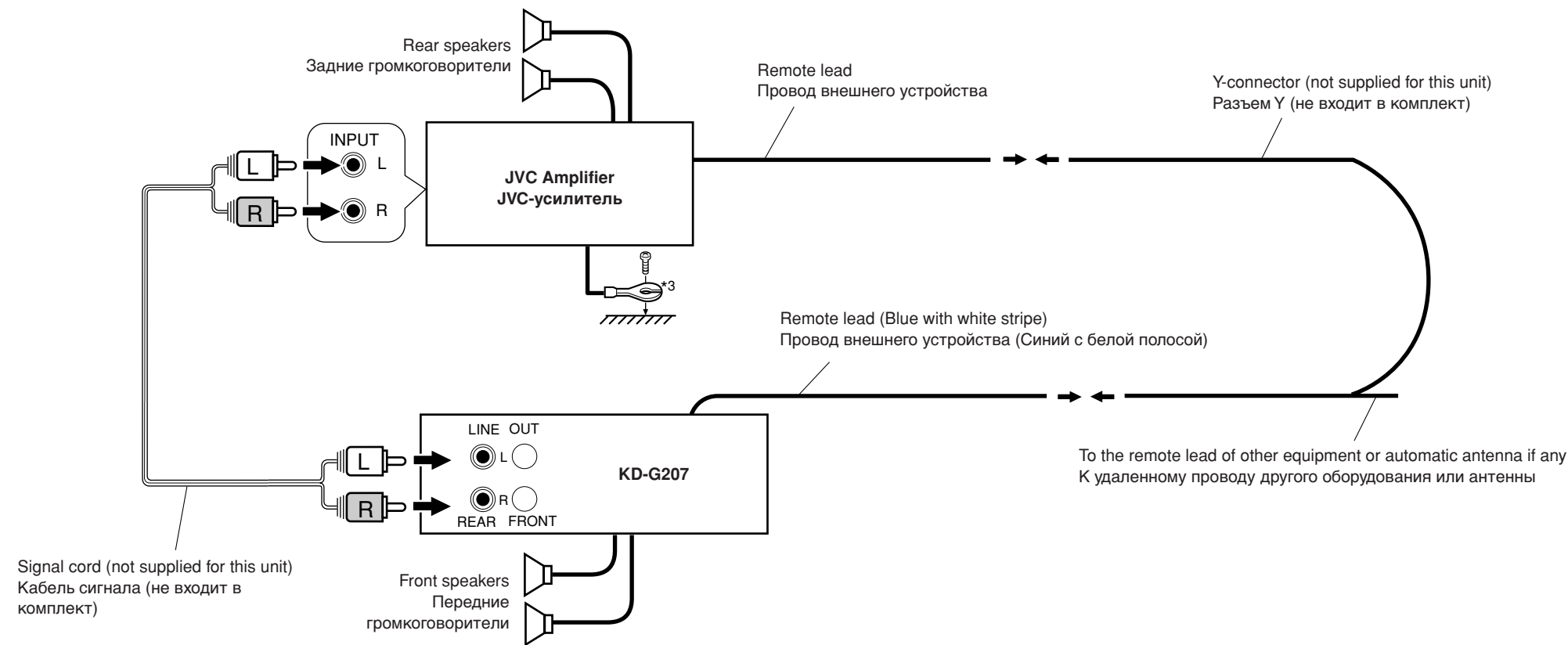
- Желтый провод (A4) в этом случае не используется.



Amplifier / Усилитель

- You can connect an amplifier to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
 - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused.**

- Для обновления автомобильной стереосистемы Вы можете подключить усилитель.
- Подсоедините провод внешнего устройства (синий с белой полосой) к проводу внешнего устройства другого оборудования так, чтобы им можно было управлять с этого устройства.
 - **Только для усилителя:**
Отсоедините громкоговорители от данного устройства, подключите их к усилителю. Оставьте провода громкоговорителей данного устройства неиспользованными.



^{*3} Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

^{*3} Плотно прикрепите заземляющий провод к металлическому кузову или шасси автомобиля—в месте, не покрытом краской (если оно покрыто краской, удалите краску перед тем, как прикреплять провод). Невыполнение этого требования может привести к повреждению данного устройства.

- PRECAUTIONS on power supply and speaker connections:**
- **DO NOT** connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
 - **BEFORE** connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

- ПРЕДОСТЕРЕЖЕНИЯ по питанию и подключению громкоговорителей:**
- **НЕ** подключайте провода громкоговорителей к аккумулятору автомобиля, иначе устройство будет повреждено.
 - **ПЕРЕД** подключением проводов громкоговорителей к кабелю питания громкоговорителя проверьте схему соединений громкоговорителей в Вашем автомобиле.

